John Georgas

Curriculum Vitae

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Biographical Sketch

John Georgas is the Senior Vice Provost for Academic Operations at Northern Arizona University (NAU) in Flagstaff, Arizona, leading academic operations and responsible for the strategic and administrative leadership of a broad portfolio of offices and functional areas that underpin academic success. His team consists of 11 direct reports and 188 full-time faculty and staff, with leadership oversight over NAU Online, competency-based academic programs, University Advising, Office of the Registrar, Office of Undergraduate Research and Creative Activity, e-Learning Center, Academic Affairs Business Analysts, and the U.S. Air Force and U.S. Army Reserve Officers' Training Corps programs.

In prior roles, he served as the Vice Provost for Academic Operations, interim dean for the College of Engineering, Informatics, and Applied Sciences (CEIAS), the interim associate dean for CEIAS, the associate director for Research and Graduate Programs for the School of Informatics, Computing, and Cyber Systems, the associate director for the Informatics and Computing program, and as the computer science program lead as the associate chair for the department of Electrical Engineering and Computer Science.

Georgas is a tenured Professor, with research interests that include software and architectural visualization, social aspects of software engineering, self-adaptive software systems, domain-specific architecture and architectural styles, software engineering pedagogy and learning, and pedagogies that support underrepresented learners. His work has been supported by various funding agencies, including the National Science Foundation and the National Institutes of Health, and appears in national and international venues. His teaching has spanned courses across undergraduate and graduate levels in computer science and software engineering, with a focus on introductory computer science and programming, software engineering, and software architecture and design.

A first-generation graduate, Georgas earned his bachelor's degree in computer science from California State Polytechnic University, Pomona, after beginning his studies as a community college student at Mt. San Jacinto College. He earned his master's and doctoral degrees in information and computer science from the University of California, Irvine. He is a member of the Association for Computing Machinery and the American Society for Engineering Education and an alumnus of the Harvard Institute for Management and Leadership in Education.

Education

2008 **Ph.D.**, *University of California*, Irvine, CA.
Information and Computer Science
Supporting Architecture- and Policy-Based Self-Adaptive Software Systems (advisor: Richard N. Taylor)

2003 **M.S.**, *University of California*, Irvine, CA.
Information and Computer Science

2000 **B.S.**, *California State Polytechnic University*, Pomona, CA.
Computer Science, *summa cum laude*

Leadership Development

2022   Harvard Institute for Management and Leadership in Education
Harvard Graduate School of Education, Cambridge, MA

2019   Development for Deans and Academic Leaders
Council for Advancement and Support of Education, Boston, MA

2014–2015   University Leadership Program
Northern Arizona University, Flagstaff, AZ

Professional Appointments

Leadership

2020–present   **Senior Vice Provost, Academic Operations (Vice Provost 2020–2022)**, *Office of the Provost, Northern Arizona University*, Flagstaff, AZ.

Functional duties include oversight over online operations and personalized learning academic programs; instructional design; student academic advising; registrar operations and centralized course scheduling; academic policy oversight, development, and implementation; university-wide instructional capacity management; academic unit operational analytics; academic fee collections and budgeting; academic operations business process implementation and support; and student and family communications on academic matters requiring special attention on behalf of the Provost and President.

Contributing to institutional strategy, policies, processes, initiatives, and risk management through close collaboration with leadership across the institution, including the Office of the President, University Budget, Research, Capital Planning and Campus Operations, Student Affairs, Enrollment Management, Information Technology Services, Associated Students of Northern Arizona University, and the Graduate Student Government.

Representing the university with external partners, including American Association of State Colleges and Universities, Association of Public and Land-Grant Universities, and University Professional and Continuing Education Association, and serving on the Executive Committee for the Western Interstate Commission for Higher Education's Western Leadership Forum.

Particular highlights and accomplishments in this role include:

- Contributing to institutional strategy by representing the academic affairs division on the President's Council on Pricing and Positioning and the Strategic Enrollment Management steering committee, helping shape tuition- and fee-setting strategy, the *Access2Excellence* program, and the recently launched *Realizing Attainment Impact through Strategic Enrollment* plan. Contributing through the Arizona Attainment Alliance steering committee, focused on building community college partnerships and streamlined academic pathways, and in the Campus Master Plan steering committee, with an emphasis on meeting future instructional, research, and Cline Library space needs.
- Overseeing and leading ongoing strategic planning efforts to transform NAU Online by adapting its academic portfolio, improving the student experience, and adapting its organizational structure and business processes;
- Successfully coordinating efforts to streamline the institution's academic fee model by replacing all undergraduate program and course fees with a tiered college fee model and subsequently overseeing academic unit allocations and contributing to the budgeting of $12M in annual college fee collections;
- Overseeing a substantial expansion of undergraduate research and creative activity and doubling the number of participating students through a multifaceted strategy that invests near $500K in new student-facing programs and initiatives that directly support faculty, grow mentorship capacity, and support first-generation and underrepresented students;

- Directing efforts to support student academic success through a new advising team of student development coordinators that offer intensive attention to academically vulnerable students, improving academic advisor retention by helping secure over $1M in institutional investment for salaries better calibrated to market and an advising career ladder, and launching a new centrally-funded *Class Learning Assistance* program to support faculty in deploying pedagogical best-practices for large-enrollment courses in the liberal studies core;
- Coordinating and leading a multi-year effort on assessing and selecting the institution's next learning management system platform through a broadly consultative effort rooted in shared governance, an effort initiated during summer 2021 and resulting in the successful deployment of Canvas in summer 2023;
- Leading the development of new and more flexible academic policies, including the fall 2023 launch of an expanded institutional excuse policy that supports student medical, bereavement, and religious needs and less rigid course withdrawal and academic continuation policies, combining to promote persistence and offer expanded opportunities for success;
- Coordinating efforts to support faculty by establishing a new teaching professor faculty track in spring 2022, collaborating on the conceptualization of the new track, advocating for its creation, and overseeing faculty reappointment efforts for its launch;
- Overseeing the Center for International Education throughout the 2021-2022 academic year, with an annual budget of $6M and 32 full-time staff, providing leadership for international educational partnerships and inbound and outbound student programs and developing a plan for the office's re-organization; and
- Contributing strategic and operational leadership during the COVID-19 pandemic in the implementation of two new instruction modes, calendar changes and launch of online-only instructional periods, student communications on academic matters, and data analyses and intervention efforts to mitigate learning loss.

2019–2020 **Dean (interim)**, *College of Engineering, Informatics, and Applied Sciences, Northern Arizona University*, Flagstaff, AZ.

Responsible for strategy and operations of the college, with an annual instructional budget of $15M and over $6M of annual research expenditures, offering nine undergraduate majors, six master's programs, and four doctoral programs and serving over 2,800 students. Consisting of over 110 faculty, the college was home to three departments, one school, and a research center: Applied Physics and Materials Science; Civil Engineering, Construction Management, Environmental Engineering; Mechanical Engineering; the School of Informatics, Computing and Cyber Systems; and the Center for Materials Interfaces in Research and Applications.

Degree offerings include ABET accredited bachelor's degrees in computer science, and civil, environmental, mechanical, computer, and electrical engineering; an American Council for Construction Education accredited degree in construction management; and degrees in applied computer science, informatics, and physics.

Supported by a team of eight direct reports, led strategic planning; budget and operations management; college and department- and school-level administration and shared governance; faculty and staff recruitment; faculty and staff evaluations and decisions on renewal, promotion, tenure, and dismissal; curricular offerings; student recruitment and retention; efforts to foster diversity, equity, inclusion, and justice; development, fundraising, and donor relations; and communications with internal and external stakeholders.

Particular highlights and accomplishments in this role include:
- Orchestrated the creation of a new strategic plan to accelerate the college's momentum by expanding interdisciplinary research and broadening access to its distinctive programs through a thematic focus on areas that advance human and environmental well-being;

- Supported the creation of an inclusive environment by building a partnership with faculty to design and develop the *Equal Partners in Inclusive Community* program, leveraging mutually-supportive community connections, strong mentorship relationships, and positive role models to support underrepresented students;
- Motivated and oversaw the development of multiple new academic programs to serve the needs of students not well-served by existing programs, including fully-online programs in *Electrical Engineering Technology* and *Cybersecurity*, and the in-person *Multidisciplinary Engineering* program;
- Led the development and implementation of programs to support faculty excellence in teaching and research: The college's *Pre-submission Proposal Review Program* offered faculty structured pre-submission peer review feedback while the *Peer Mentorship of Teaching Program* offered mentorship on pedagogical and course design best practices;
- Oversaw ABET reaccreditation of six programs in two separate commissions; and
- Engaged in development efforts at the college level and in collaboration with the institution's comprehensive capital campaign and completed the college's first endowed professorship.

2018–2019   **Associate Dean (interim), Academic Affairs**, *College of Engineering, Informatics, and Applied Sciences, Northern Arizona University*, Flagstaff, AZ.

Contributed to the founding of the newly organized college through strategic planning, operations and budget management, faculty workload and instructional capacity oversight, and developing and implementing administrative structures, policies, and business processes.

Designed and launched the college's travel grant programs. Supervised all undergraduate and graduate curricula, including continual improvement processes related to the multiple ABET accredited programs in the college, managed academic policies and student issues, and chaired the college Curriculum and Assessment Committee. Contributed to the design and oversaw the development of three new doctoral programs in *Applied Physics and Materials Science*, *Civil and Environmental Engineering*, and *Mechanical Engineering*.

Served as the college-level liaison with other divisions, including Student Affairs, Enrollment Management, and University Advising and represented the college on university committees, including the Academic Associate Deans' Academy. Communicated with other internal and external stakeholders, students and their families, and alumni.

2016–2018   **Associate Director, Research and Graduate Programs**, *School of Informatics, Computing, and Cyber Systems, Northern Arizona University*, Flagstaff, AZ.

Led strategic and resource planning efforts in research development and graduate programming. Supervised graduate programs in informatics, computer science, and electrical engineering, including budgeting and operations, research development funding, curricula and assessment, recruitment and admissions, student issues, course scheduling, support staff, space usage, teaching and research assistantships, and the investment of funding for research development.

Led the design and oversaw the development of multiple new programs, including bachelor's and master's degrees in *Informatics* and a graduate certificate in *Data Science*. Led faculty recruitment efforts leading to seven successful tenured and tenure-track hires and led faculty evaluation processes and the development of the newly formed unit's research-intensive criteria for annual review and promotion. Represented the unit with internal and external stakeholders, donors, and the Advisory Council to develop joint research capacity and collaboration.

2014–2016   **Associate Director**, *Informatics and Computing Program, Northern Arizona University*, Flagstaff, AZ.

Contributed to the creation of the Informatics and Computing Program, a new academic unit and area of research at the institution, through a leadership role in the unit's organization, strategic and resource planning, budget management, operations, course planning and scheduling, staff hiring and evaluation, and space management—including the lead role in planning and coordinating the unit's occupancy of a new building. Managed faculty recruitment leading to four tenured and tenure-track hires and led faculty evaluation processes.

Served as the principal architect of the unit's new interdisciplinary doctoral program in *Informatics and Computing* and led efforts for its approval, curricular and coursework design, policy development, marketing and student recruitment, and admissions. Designed multiple courses in the core of the program, including research methods, professional communication, and proposal preparation. Represented the unit and interfaced with internal stakeholders as well as the community and external agencies. Contributed to planning for the successful merger of the Informatics and Computing Program with the department of Electrical Engineering and Computer Science.

2014–2015   **Associate Chair**, *Electrical Engineering and Computer Science, Northern Arizona University*, Flagstaff, AZ.

Led strategic and resource planning efforts for the computer science area in the joint Electrical Engineering and Computer Science department. Managed relationship with the Computer Science Department Advisory Committee. Supervised computer science budgets and operations, space usage, graduate teaching assistantships, and equipment purchases. Oversaw undergraduate and graduate academic programs and curricula in computer science, managed course scheduling, implemented academic policies, and assessed student petitions. Led continuous improvement processes in computer science curricula, including drafting the program's Accreditation Board for Engineering and Technology Interim Report and successfully implementing remedial actions that renewed accreditation. Oversaw and led computer science faculty meetings, interfaced with the Engineering and Professional Programs chairs group, and served as lead contact with university collaborators.

Academic

2020–present   **Professor, with tenure**, *School of Informatics, Computing, and Cyber Systems, Northern Arizona University*, Flagstaff, AZ.

Continuing W.M. Keck Foundation-funded pedagogical research in introductory informatics teaching methods and increasing diversity and participation in informatics. Participating in professional service through manuscript reviews and institutional service through the Faculty Mentor program, various committees, such as the Alcohol and Other Drugs Council and the First Scholars Steering Committee, and searches, including the search for Dean of Students.

2014–2020   **Associate Professor, with tenure**, *School of Informatics, Computing, and Cyber Systems, Northern Arizona University*, Flagstaff, AZ.

Expanded pedagogical research efforts in design learning and initiated new work in increasing diversity and participation by focusing on key insights about the importance of research experiences, scientific identify formation, and value alignment to the recruitment and retention of diverse students. Secured funding through grants from the National Science Foundation (NSF) and the W.M. Keck Foundation and collaborated on securing National Institutes of Health funding. In partnership with Northern Arizona Healthcare, initiated work in healthcare informatics to support post-hospitalization patient care. Presented scholarly results in various venues, including the flagship *International Conference on Software Engineering*.

Continued teaching efforts for the computer science program and developed and taught two new courses—in software development methods and post-graduate career preparation—to support the newly created *Informatics and Computing* doctoral program. Continued and expanded my service to the professional community through manuscript reviews for leading journals, grant proposal reviews, and served as Editor-in-Chief for Association for Computing Machinery's Special Interest Group on Software Engineering *Software Engineering Notes.* Served the institution by contributing to planning on the Informatics and Computing initiative, in central governing bodies, such as the University Graduate Committee and Academic Standards Committee, and through search processes, including the search for Provost and by chairing search committees for multiple tenured and tenure-track positions.

2008–2014 **Assistant Professor, tenure track**, *Electrical Engineering and Computer Science, Northern Arizona University*, Flagstaff, AZ.

Led research efforts in the design of self-adaptive software systems, socio-technical modeling, and pedagogical scholarship in design and software engineering learning. Secured support for this research and students through various grants, including funding from the NSF, and published scholarly results in conferences and journals.

Taught undergraduate courses in introductory computer science, programming, computer science ethics, and principles of programming languages. Developed and taught new courses in software engineering and software architecture at both undergraduate and graduate levels. Mentored capstone projects and advised undergraduate and graduate students in independent research work.

Served the professional community in program committees, grant review panels for the NSF, and IEEE and ACM journal reviews, including for *IEEE Transactions on Software Engineering* and *ACM Transactions on Software Engineering Management.* Engaged with institutional service through various curriculum, search, and university committees, including the University Curriculum Committee and the Liberal Studies Program Review Taskforce.

2001–2008 **Graduate Student Research/Teaching Assistant**, *Department of Informatics, University of California*, Irvine, CA.

Co-authored the National Science Foundation grant that funded my work in the design, implementation, and assessment of a novel approach for developing self-adaptive software systems that combines explicit software architecture models, rule-based expert systems, and configuration management—this work demonstrated improvements in reuse and flexibility over other approaches. Taught software engineering as lead instructor and served as a teaching assistant for programming and project coursework in the computer science core. Supported the creation of foundational technologies for architecture-based modeling as a member of the Institute for Software Research.

Industry

2003–2004 **Associate Member of Technical Staff**, *Computer Systems Research Department, The Aerospace Corporation*, El Segundo, CA.

Contributed to the design and development of a peer-to-peer video gathering, storage, and streaming system for use in managing operations at the National Aeronautics and Space Administration's Western Launch and Test Range. Developed a grid-computing enabled version of the Satellite Orbital Analysis Program to enable high-performance satellite orbit analysis.

2002 **Member of Technical Staff**, *Mission Data System Group, Jet Propulsion Laboratory*, Pasadena, CA.

Designed and implemented software modeling extensions for the Mars Science Laboratory mission and developed systems-of-systems modeling support for the Consultative Committee for Space Data Systems to enable traceability analysis across multiple space mission subsystems.

Grants and Contracts

2018–2025   **Increasing Participation in Undergraduate Informatics Education and Research**, *W.M. Keck Foundation, Undergraduate Education Program*, **$325,000**.
Lead PI, with co-PIs Christopher Doughty, Crystal Hepp, James Palmer, Kyle Winfree

2018–2023   **NAU RISE for Native American Students**, *National Institutes of Health, R25 Education Projects*, **$2,645,697**.
Co-I, with PI Catherine Propper and co-Is Julie Baldwin, Robert Kellar, Jani Ingram, Priscilla Sanderson, Hendrik de Heer, Frank von Hippel, and Anita Antoninka

2016–2017   **Software Engineering for Improving Reuse and Enabling Runtime Dynamism in Unmanned Aircraft Systems**, *NAU Faculty Grants Program*, **$14,962**.
Sole PI

2016–2018   **Shi'Hooghan: Home-Centered Health Care for Native American Patients**, *Northern Arizona Healthcare*, **$21,962**.
Lead PI, with co-PI Eck Doerry

2013–2017   **Design Challenges and Stories: Integrating Reflective Design Learning in Computer Science**, *National Science Foundation, Division Of Undergraduate Education*, **$187,195**.
Lead PI, with co-PI James Palmer

2012   **Shareview: Leveraging Mobile Devices for Social Rich Media Sharing**, *Arizona Technology Research Initiative Fund*, **$39,652**.
Sole PI

2010–2012   **Supporting Continuous Awareness and Exploration of Social and Design Dependencies**, *National Science Foundation, Division of Computing and Communication Foundations*, **$167,907**.
Sole PI at NAU; collaboration with Anita Sarma

2010–2011   **Software Engineering in Support of Sustainable Wind Turbine Energy Generation**, *NAU Faculty Grants Program*, **$9,040**.
Sole PI

2010–2011   **Implementing the Global Learning Recommendations Initiative**, *NAU Center for International Education*, **$8,000**.
co-PI, with co-PI Dieter Otte

2009–2010   **Robots that Change: Behavior-based Runtime Adaptation for Robotics**, *NAU Intramural Grants Program*, **$7,948**.
Sole PI

Patents

2015   **Live streaming video sharing system and related methods**, *U.S. Patent 8,997,167*, Bliss, L., Perelstein, J.M., **Georgas, J.C.**, Mullen, B.W., Carey, B.E., Dixon, W.J-S., Ellsworth, C.M., issued March 31, 2015.

Teaching

Northern Arizona University

CS 122	Programming for Engineering and Science	*Summer 2009, Summer 2010*
CS 136	Computer Science II	*Fall 2008, Spring 2009, Fall 2009, Spring 2010, Fall 2010, Spring 2011, Fall 2011, Fall 2012, Spring 2013, Fall 2013*
CS 136L	Computer Science II Lab	*Fall 2009, Spring 2010, Fall 2010, Spring 2011, Fall 2011, Fall 2012, Spring 2013, Fall 2013*
CS 301	Ethics in Computer Science	*Fall 2008, Fall 2009, Fall 2010*
CS 386	Software Engineering	*Fall 2009, Fall 2010, Fall 2011, Spring 2012, Spring 2013, Spring 2014*

CS 396	Principles of Programming Languages	*Spring 2009, Spring 2010, Spring 2012*
CS 440	Software Architecture	*Fall 2008, Spring 2011, Fall 2013, Spring 2016*
CS 476	Requirements Engineering	*Fall 2012*
CS 486C	Capstone Experience	*Spring 2009, Spring 2010, Spring 2011, Spring 2012, Spring 2013, Spring 2014, Spring 2015*
CS 540	Advanced Software Architecture	*Spring 2011, Fall 2013, Spring 2016*
INF 502	Software Development Methodologies	*Spring 2017, Spring 2018*
INF 601	Professional And Career Development	*Fall 2018*

University of California, Irvine

ICS 52	Introduction to Software Engineering	*Summer 2005, Summer 2006*

University of California, Irvine (Teaching Assistant)

ICS 21	Introduction to Computer Science	*Winter 2001, Fall 2001, Spring 2003*
INF 43	Informatics Core III	*Spring 2005*
ICS 52	Introduction to Software Engineering	*Fall 2003*
ICS 125	Project in Software System Design	*Fall 2002*

Mentorship

M.S. Graduate Student Research (NAU)

2021	Self-adaptive Software Systems	*Sanders, Austin*
2011	Architectural Style for Wind Turbine Control Software	*Middleton, Ryan*

Undergraduate Student Research (NAU)

2016–2017	Runtime Adaptivity for Unmanned Autonomous Aircraft	*Melillo, Nicolas; Rayburn, Lucas*
2016	Design in the Computer Science Curriculum	*Sanchez, Luke*
2014	Shi'Hooghan: Health Informatics	*Batchelder, Ryan*
2012	Android Media Streaming	*Carey, Bryce*
2011–2012	Behavior-based Self-Adaptive Software	*Makino, Kyoko*
2010	Architecture-centric Socio-Technical Congruence	*Baier, Stephen*
2010	Comparative Study of Robotic Architectures	*Citron, Bernard*
2009	Self-Adaptive Robots in Urban Rescue Scenarios	*Liszewski, Ben*
2009	Behavior-based Runtime Adaptation for Robotics	*Herrmann, Ralf*
2009	Architectural Runtime Configuration Management	*Worsley, Stephen*

Undergraduate Capstone Projects (NAU)

2015	Automatic Syllabification	*Michael Albanese, Salvatore Bottiglieri, Trent Cooper, Drew McDaniel, and Adam Thomas*
2014	Money Clip Database Optimization	*Draper, Toby; Gartner, Jordan; Hausmann, Justin; Sjursen, Ryan*
2013	Money Clip Mobile Localization	*Kennedy, Blayne; Oyama, Kimberly; Rodhouse, Daren; Sasaki, Chihiro*
2013	Architectural Simulation	*Austin, Mike; Phillips, Brandon; Zanot, Davis*
2012	Shareview: Media-rich Social Networking	*Carey, Bryce; Dixon, Waylon; Ellsworth, Chad; Mullen, Britt*
2011	K-12 Bookmarking and Web Access System	*Boyd, Mackenzie; Guice, Forrest; Hill, Justin*
2010	Athletic Training Room Simulator	*Bearchell, Bryce; Eberhard, Carl; Johnson, David; Rimmer, Kyle*
2009	Matacies: Game-centric language learning	*Dobransky, Dean; Flieger, Joe; Hudson, Travis; Lester, Richard*

Undergraduate Student Research (UCI)

2004	Architectural Runtime Configuration Management	*Wastrodowski, Matthew*
2003	The Web as Middleware	*Bichutskiy, Vadim; Do, Ngoc-Anh; Ho, Bach; Malani, Roshni*

Honors

2016   Innovation Award
Northern Arizona University, Flagstaff, AZ

2008   Software Engineering Educators Symposium Travel Award
2008 Software Engineering Educators Symposium, Atlanta, GA

2002–2004   Graduate Assistance in Areas of National Need
Information and Computer Sciences, University of California, Irvine

2000–2002   Dean's Fellowship
Information and Computer Sciences, University of California, Irvine

University Service

University Committees

2022–present	Strategic Enrollment Management Steering Committee
2022–present	Campus Master Plan Steering Committee
2022–present	First Scholars Steering Committee
2021–present	President's Council on Pricing and Positioning
2021–present	Faculty Mentor Program
2020–present	Chatbot Steering Committee
2021	Co-chair, Teaching Track Taskforce
2021	Chair, Academic Success, Learning, and Engagement Advisory Committee
2020–2023	Alcohol and Other Drugs Council
2020–2021	COVID-19 Information Center Committee
2020–2021	Fall 2020 Opening Advisory Group
2019–2020	Sustainable Campus Ecosystem Initiative Steering Committee
2019–2020	Academic Compliance Steering Committee
2018–2020	Presidential Fellowship Selection Committee
2018–2019	Academic Standards Committee
2018–2019	Academic Associate Deans Academy
2016–2018	University Graduate Committee
2013–2014	Informatics Initiative Advisory Committee
2010–2011	Liberal Studies Program Review Task Force
2009–2016	Hooper Undergraduate Research Award Program Committee
2008–2012	University Curriculum Committee

College Committees

2018–2020	Chair, College of Engineering, Informatics, and Applied Sciences Pre-submission Proposal Review Program
2018–2019	Chair, College of Engineering, Informatics, and Applied Sciences Peer Mentorship of Teaching Program
2018–2019	Chair, College of Engineering, Informatics, and Applied Sciences Travel Grant Program

Departmental Committees

2008–2019 Computer Science Curriculum Committee, Department of Electrical Engineering and Computer Science

2016–2018 Co-chair, Faculty Status Committee, School of Informatics, Computing, and Cyber Systems

2014–2016 Faculty Status Committee, Informatics and Computing Program

2009–2016 Annual Review Committee, Department of Electrical Engineering and Computer Science

2008–2016 Computer Science Graduate Affairs Committee, Department of Electrical Engineering and Computer Science

2008–2016 Computer Science ABET Committee, Department of Electrical Engineering and Computer Science

Search and Hiring Committees

2022 Vice President for Capital Planning and Campus Operations, Northern Arizona University

2020–2021 Associate Vice President and Dean of Students, Northern Arizona University

2019–2020 Dean, College of the Environment, Forestry, and Natural Sciences

2019 (Search Chair) Graduate Program Coordinator, College of Engineering, Informatics, and Applied Sciences

2018–2019 Provost, Northern Arizona University

2018 Associate Dean, Graduate College

2018 Fiscal Operations Manager, College of Engineering, Informatics, and Applied Sciences

2018 Administrative Director, College of Engineering, Informatics, and Applied Sciences

2017–2018 (Search Chair) Open Rank Professor (Microelectronics, Heterogeneous/Reconfigurable systems, Cyber-physical Systems, Data Science), School of Informatics, Computing, and Cyber Systems

2017–2018 (Search Chair) Open Rank Professor (Electrical Engineering) School of Informatics, Computing, and Cyber Systems

2016–2017 (Search Chair) Open Rank Professor (Cybersecurity, Big Data, Heterogeneous/Reconfigurable systems, Cyber-physical Systems), School of Informatics, Computing, and Cyber Systems

2016–2018 (Search Chair) Open Rank Professor (Health and Bioinformatics), School of Informatics, Computing, and Cyber Systems

2016–2017 (Search Chair) Graduate Program Coordinator, School of Informatics, Computing, and Cyber Systems

2016–2017 Associate Director for Business Operations, School of Informatics, Computing, and Cyber Systems

2016–2017 Administrative Associate, School of Informatics, Computing, and Cyber Systems

2015–2016 (Search Chair) Open Rank Professor (Cybersecurity, Big Data, Heterogeneous/Reconfigurable systems, Cyber-physical Systems), School of Informatics, Computing, and Cyber Systems

2015–2016 (Search Chair) Open Rank Professor, Informatics and Computing

2015–2016 Administrative Associate, Informatics and Computing Program

2014–2015 (Search Chair) Business Manager, Informatics and Computing Program

2014–2015 (Search Chair) Open Rank Professor, Informatics and Computing Program

2014–2015 (Search Chair) Assistant Professor (Geoinformatics), Informatics and Computing Program

2014–2015 (Search Chair) Assistant Professor, Informatics and Computing Program

2014–2015 Application Systems Analyst/Programmer, Informatics and Computing Program

2014–2015 Assistant Professor (Health Informatics), Informatics and Computing Program

2014–2015 Professor and Chair, Department of Electrical Engineering and Computer Science

2014–2015 Assistant Professor, Department of Electrical Engineering and Computer Science

2014–2015	Postdoctoral Scholar, Informatics and Computing Program
2013–2014	Open Rank Professor, Informatics and Computing Program
2012–2013	Assistant Professor, Department of Electrical Engineering and Computer Science
2011–2012	Lecturer, Department of Electrical Engineering and Computer Science
2010–2011	Lecturer, Department of Electrical Engineering and Computer Science

Professional Service

Executive Committee

2023–present	Executive Committee, Western Academic Leadership Forum, Western Interstate Commission for Higher Education

Advisory Board

2022–present	Executive Advisory Board, Coursedog

Editor

2015–2019	Editor-in-Chief, ACM SIGSOFT Software Engineering Notes

Editorial Board

2008–2017	Journal of Software Engineering for Robotics

Panel

2018, 2019	National Science Foundation, Improving Undergraduate STEM Education
2009	National Science Foundation, Computing and Communication Foundations

Program Committee

2019–2021	IEEE International Conference on Space Mission Challenges for Information Technology
2012–2014, 2019–2020, 2023	IEEE Conference on Software Engineering Education and Training
2016	Student Contest on Software Engineering (IEEE/ACM 38th International Conference on Software Engineering)
2012–2015	IARIA International Conference on Adaptive and Self-Adaptive Systems and Applications
2009, 2011	IEEE International Conference on Self-Adaptive and Self-Organizing Systems
2007, 2009	models@run.time
2007	IEEE/ACM International Conference on Automated Software Engineering (adjunct reviewer)

Book Review

2013	Software Engineering, 9th Edition, Sommerville

Book Chapter Review

2011	Software Engineering for Self-Adaptive Systems 2
2008	Lecture Notes in Computer Science: Software Engineering for Self-Adaptive Systems

Journal Review

2009–present	ACM Transactions on Software Engineering Management (distinguished reviewer)
2009–present	Elsevier Journal of Systems and Software
2008–present	Springer Journal of Software and Systems Modeling
2007–present	IEEE Transactions on Software Engineering
2014	Springer Computing
2013	IEEE Transactions on Dependable and Secure Computing
2013	Elsevier Information Processing Letters
2010	IEEE Transactions on Services Computing

2009	Springer Software Engineering for Self-Adaptive Systems
2008	Wiley Software: Practice and Experience

Organizing Committee

2005	Institute for Software Research Graduate Student Research Forum (co-chair)
2003	Ground Systems Architecture Workshop: Architecture-Centric Evolution of Software Intensive Systems session (co-chair)

Student Volunteer

2004	ACM Foundations of Software Engineering Conference
2003, 2004	Institute for Software Research Annual Research Forum

▬▬ Professional Affiliations

2011–present	American Society for Engineering Education
2008–present	Association for Computing Machinery
2008–present	Association for Computing Machinery Special Interest Group on Software Engineering
2008–present	IEEE Robotics and Automation Society Technical Committee on Software Engineering for Robotics and Automation
2002–present	Institute for Software Research, University of California, Irvine

▬▬ Publications

Journal

J2 **Georgas, J.C.**, van der Hoek, A., and Taylor, R.N. Using Architectural Models at Runtime to Manage and Visualize Runtime Adaptation. *IEEE Computer*, 42(10):52-60, 2009.

J1 **Georgas, J.C.**, Dashofy, E.M., and Taylor, R.N. Architecture-Centric Development: A Different Approach to Software Engineering. *ACM Crossroads*, 12(4):6-6, 2006.

Book Chapter

BC1 **Georgas, J.C.** and Taylor, R.N. Policy-Based Architectural Adaptation Management: Robotics Domain Case Studies. In *Software Engineering for Self-Adaptive Systems*, Cheng, B.H.C., et al. eds. 5525/2009, p. 89-108, Lecture Notes in Computer Science, Springer-Verlag, 2009.

Conference

C17 **Georgas, J.C.**, Palmer, J.D., and McCormick, M.J. Supporting Software Architecture Learning Using Runtime Visualization. In *Proceedings of the 29th IEEE Conference on Software Engineering Education and Training (CSEE&T 2016)*, Dallas, TX, USA, April 5-6, 2016.

C16 Wilkins, T.V. and **Georgas, J.C.** Drawing Insight from Student Perceptions of Reflective Design Learning. In *Proceedings of the 37th International Conference on Software Engineering (ICSE 2015)*, Florence, Italy, May 20-22, 2015.

C15 **Georgas, J.C.** Supporting Software Architectural Style Education Using Active Learning and Role-playing. In *Proceedings of the 120th American Society for Engineering Education Annual Conference & Exposition (ASEE 2013)*, Atlanta, GA, USA, June 23-26, 2013.

C14 **Georgas, J.C.** Toward Infusing Modular and Reflective Design Learning throughout the Curriculum. In *Proceedings of the 26th IEEE-CS Conference on Software Engineering Education and Training (CSEE&T 2013)*, San Francisco, California, May 19-21, 2013.

C13 **Georgas, J.C.** Teams Battling Teams: Introducing Software Engineering Education in the First-Year with RoboCode. In *Proceedings of the 118th American Society for Engineering Education Annual Conference & Exposition (ASEE 2011)*, Vancouver, BC, Canada, June 26-29, 2011.

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