

KRISTIN N YOUNGQUIST

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EDUCATION

Doctor of Philosophy ABD – Earth System Science
Auburn University, Auburn, Alabama

Master of Science – Environmental Science
Columbus State University, Columbus, Georgia, May 2018

Master of Public Administration - Management and Finance Concentration
Georgia State University, Atlanta, Georgia, December 2008

Bachelor of Arts – Astrophysics minor in Mathematics, Cum Laude
Agnes Scott College, Decatur, Georgia, May 2004

TEACHING EXPERIENCE

Columbus State University, Columbus, Georgia

Lecturer and TA Coordinator, Department of Earth and Space Sciences, 2023 – 2024

- Teach the Sustainability and Environment courses, an undergraduate course averaging 50 to 80 students per semester.
- Develop lectures, assignments, discussions, tests, and class project.
- Organize and direct teaching assistants for laboratory portion of course beginning Spring of 2024.

Auburn University, Auburn, Georgia

Teaching Assistant, Department of Geosciences, 2018 – 2020

- Taught the Concept of Science laboratory course, an undergraduate course averaging 72 students per semester, covering the topics of physics, biology, chemistry, geology, astronomy, and environmental science concepts.
- Developed online and in person lectures, tests, and edited the lab manual.
- Graded students and assisted in laboratory maintenance.

Columbus State University, Columbus, Georgia

Teaching Assistant, Department of Earth and Space Sciences, 2015 – 2017

- Taught the Sustainability and Environment laboratory courses, an undergraduate course averaging 75 students per semester.
- Developed lectures, tests, and edited lab manual.
- Graded students and assisted in laboratory maintenance.

Georgia Tech Research Institute, Atlanta, Georgia

Technical Temp, 2007

- Assisted in teaching an upper-level undergraduate optics and physics course.
- Developed and edited lecture material.

RESEARCH EXPERIENCE

Georgia Tech Research Institute, Atlanta, Georgia

Technical Temp, 2006 – 2007

- Prepared technical presentations that fostered relationships with potential sponsors and raised funds.
- Performed background research for reports and edited papers for various projects for content and grammar.
- Developed laboratory prototypes taking optical measurements and analyzed the data for technical reports and future product development.

PROFESSIONAL EXPERIENCE

Georgia Office of the Secretary of State, Atlanta, Georgia

Director of Administration, 2010 – 2013

- Responsible for overseeing the budget, accounting, asset management, vehicle management, purchasing, mail, and payroll for Secretary of State.
- Managed staff of ten overseeing hiring, training, and performance evaluations.
- Prepared annual budget submission, which involved analyzing and developing new policies and procedures in order to reduce spending of the overall budget.
- Assisted the Secretary of State in defending needs to the Governor and State Legislators in order to maintain and procure additional funding for agency functions and projects.
- Performed analysis of agency performance, personnel needs, technology needs, and spending trends in order to build zero-based budget for the agency.

Georgia State Senate Budget and Evaluation Office, Atlanta, Georgia

Program Analyst, 2007 – 2010

- Analyzed and tracked budget related items, making budget and policy recommendations to Senators who oversaw the appropriations committees.
- Provided advice to Senators on implications of funding strategies to fiscally strengthen Georgia's agencies.
- Conducted extensive research into the fiscal impact of policy changes on a state agency's budget.

Georgia Tech Research Institute, Atlanta, Georgia

Technical Temp, 2006 – 2007

Habitat for Humanity – DeKalb, Inc., Decatur, Georgia

Interim Executive Director, 2005 – 2006

- Oversaw the functions of the office, including financial and construction operations, meeting the goals set forth each month by the Board of Directors.
- Recruited new volunteers and potential Board members.

Office Manager, 2005

- Organized and maintained the daily activities of the office, resulting in increased productivity, improved relations between office/board members/community, and overall reduction in ineffective practices.
- Managed volunteers and volunteer groups for construction builds and office work.
- Created and updated marketing materials, including a brochure, newsletters, and donation envelope, resulting in an increase in volunteers, donors, and support from the surrounding county.

PUBLICATIONS

Youngquist, K., Shrestha, M., Ryan, B., and Mitra, C. (2023). A global scoping review on sustainability, climate migration, and climate resilience of small and medium-sized (SMSC) cities. *Urban Climate*.

Youngquist, K. (2018). Evaluating Columbus, Georgia, tree canopy interactions with air pollutants using high spectral imagery and portable PM sensors. Thesis.

PRESENTATIONS

International Association for Urban Climate, “Small and medium sized cities (SMSC) should also be climate informed, resilient and sustainable – A scoping review on research foci among SMSC globally,” 2022.

76th Annual Meeting of the Southeastern Division of the AAG, “Do we need to pay attention to small and medium-sized cities too? A scoping review of these city forms,” 2021.

ASPRS 2021 Annual Conference, “Heatwave Risk at the Community Level: A Case Study for Columbus, Georgia,” 2021.

Dr. Greogory P. Domin Graduate Conference, Columbus State University, “Air quality and socioeconomic benefit analysis of trees in Columbus, Georgia,” 2016

PROFESSIONAL AFFILIATIONS AND CERTIFICATIONS

- American Association of Geographers, 2021 – Present
- American Society of Photogrammetry and Remote Sensing, 2021 – Present
- The Institute of Professional Environmental Practice, EPI Certified No. 00010717, 2017-Present
- Society of American Foresters, 2021 – Present

COMMUNITY ORGANIZATIONS

- Habitat for Humanity – DeKalb, Inc. – Tucker, GA, Board member and Family Services Coordinator, 2009-2011
- Atlanta Junior League – Atlanta, GA, Member, 2011-2013
- Columbus Tree Board – Consolidated Government of Columbus, GA, Board member and board president, 2018-present
- Clean Energy Columbus, 2023-present

TECHNICAL SKILLS

ArcGIS, AutoCAD, SPSS, Python, C, and R programming

HONORS AND AWARDS

- Eta Theta Chapter of Gamma Theta Upsilon, 2022
- Phi Kappa Phi, 2017
- Columbus State University Student Employee of the Year Award Nominee and runner-up, 2017
- Presidential Management Fellows (PMF) program nominee, 2008
- Legislative Budget Fellowship, 2007 and 2008

REFERENCES

Dr. Chandana Mitra, Associate Professor
Department of Geosciences
Auburn University
Phone: 334-844-4229
Email: czm0033@auburn.edu

Dr. Marilyn Vogel, Senior Lecturer and Coordinator
Department of Geosciences
Auburn University

Phone: 334-844-4938
Email: mbv0008@auburn.edu

Dr. Stacey Sloan Blersch, Research Environmental Engineer
U.S. Army Engineer Research and Development Center (ERDC)
Phone: 443-904-7897