

Kate Winters

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EDUCATION

The University of Georgia | Athens, GA GPA: 3.96/4.00
Bachelor of Science in Environmental Engineering May 2024
Certificate in Personal and Organizational Leadership
Morehead Honors College Student
Arch Ready Professionalism Certificate

ENGINEERING EXPERIENCE

SeamonWhiteside+ | *Civil Engineer Intern* | Charleston, SC June 2022 - Present

- Draft and revise design on 8 major projects totaling just over 90 acres in the Charleston area
- Prepare cost estimates for budget updates throughout project life cycle to report to client stakeholders
- Developed full set of construction drawings for multi-family project's 100% submittal to Berkeley County, SC
- Support the engineering team in master planning, engineering design, and research for specific tasks on projects

Institute for Resilient Infrastructure Systems | *Research Assistant* | Athens, GA January 2022 - Present

- Collect and review literature on 9 green infrastructure strategies that encourage low impact development
- Compile data to report key information about entering each strategy into modeling software (SWMM, ArcMap, ArcGIS Pro, and ICPR4) localized to the project's stormwater conditions
- Aid informed decision-making for Athens, Tybee Island, and Fort Benning on climate-resilient infrastructure

UGA College of Engineering | *Student Ambassador* | Athens, GA April 2022 - Present

- Represent the College of Engineering at formal functions and prospective student tours of engineering facilities
- Volunteer for an average of 60 hours per semester at College of Engineering events
- Ease two-way communication between high-level college staff and student body

Bioengineering Study Abroad | *Maymester Student* | Munich, Germany May 2022 - June 2022

- Studied technical communications and engineering ethics as a 3-credit hour course
- Considered geographical and social influences of Munich throughout coursework, culminating in a final report and presentation about the mechanical, biological, and environmental significance of the German bicycle
- Traveled independently to France, Austria, Italy, and Switzerland to become fully immersed in European culture
- Developed a global perspective on international issues through discussions with local students, staff, and faculty

Micro-internship with AT&T | *Mentee* | Alpharetta, GA August 2019 - May 2020

- Shadowed the Assistant Vice President of Tower Strategy and met with the Tower Sites Management Team once a week to learn about process optimization, minimizing costs, and efficient technical practices
- Applied technical knowledge to site models and mock contract negotiations
- Analyzed data to determine the best strategy for reducing costs, while maintaining or improving quality of service

LEADERSHIP EXPERIENCE

UGA Visitors Center | *Tour Leader* | Athens, GA February 2021 - Present

- Welcome an average of 50,000 people to campus each year with the 60-person staff
- Serve as an information resource and UGA ambassador for campus visitors, faculty, staff, and students
- Lead in-person and virtual campus visit experiences for 40 people at a time
- Staff the Visitors Center's information desk, handling walk-in and telephone inquiries

UGA Institute for Leadership Advancement | *Leadership Fellow* | Athens, GA November 2021 – December 2022

- Participate in highly selective, individualized 2-semester leadership development program including academic courses, personal assessments, externships, team building, and community service
- Consult on a 20-week service-learning project working with lakefront development in Thomson McDuffie County
- Navigate environmental, political, and economic constraints to produce educated recommendations for SLP client

UGA College of Engineering | *Teacher's Assistant* | Athens, GA January 2022 - May 2022

- Graded 110 undergraduate students in ENGR 2140 – Strength of Materials
- Monitored student progress and provided feedback to increase student understanding and retention of material
- Incorporated simple and straightforward language to effectively convey complex concepts

Three Chimneys Farm Swim Team | *Head Coach* | Cumming, GA

April 2017 - June 2021

- Directed over 200 swimmers (ranging in age from 18 months to 18 years)
- Delegated to staff of 20 assistant coaches and worked with children, parents, and committee members
- Ran practices, coordinated meets with neighboring teams, and taught private lessons

CAMPUS & COMMUNITY INVOLVEMENT

The Society of Environmental Engineers | *President, former VP of Public Relations*

November 2020 - Present

- Collaborate with College of Engineering personnel to promote the organization and its events to students and staff
- Promote and assist in leading bi-weekly meetings for 150 student members
- Communicate with 4 other executive team members to incorporate philanthropic engagements, social events, and professional development into SEE calendar
- Design ~12 promotional materials per semester to inform members and maintain online presence

The UGA Wesley Foundation | *Freshley Small Group Leader*

May 2021 – May 2022

- Provide 50 hours of service per semester to first-year students seeking a ministry community at UGA
- Meet with co-leader and small group members once a week to facilitate discussion about growing in faith
- Engage small group members in larger Wesley body through 1-on-1's, discipleship, and retreats

Alpha Chi Omega | *Mystagogue Chair*

November 2021 – November 2022

- Connect incoming new members with older students established in their majors to be a mentor and point of contact for younger students
- Facilitate informal relationships built on shared academic interests between mystagogue and new member
- Expedite the incorporation of new members by providing access to member classes beyond their immediate seniors (typical structure: freshmen paired with junior mystagogue)

TECHNICAL SKILLS

Drafting software (AutoCAD Civil 3D)

Programming platform (MatLab)

Microsoft Suite programs

HONORS AND AWARDS

Tau Beta Pi Engineering Honor Society

UGA Presidential Scholar

ILA Leadership Fellow

Phi Kappa Phi Honor Society

Honors International Scholar

Order of Omega Honor Society

UGA Charter Scholar

William Moore Crane Leadership Scholar

National Merit Scholar