

EDUCATION

The University of Georgia, Honors Program, Athens, GA
Bachelors of Science in Engineering, Environmental Engineering
The Paideia School, Atlanta, GA

Expected Graduation: May 2024
GPA: 3.38
2015 – 2019

HONORS AND AWARDS

Zell Miller Scholarship – Four year, full tuition scholarship awarded for academic achievement
National Merit Commended Scholar – Awarded in recognition of PSAT scores in the top 3.3% nationally

RELEVANT WORK EXPERIENCE

Aulick Engineering, *Civil Engineering Intern*, Atlanta, GA May 2023 – Present
- Helps licensed P.E.s to perform site visits and create hydrologic and hydraulic analysis reports for state and local clients
- Uses ArcGIS Pro to delineate drainage basins, determine boundary conditions, and create terrain files needed for hydraulic analysis
- Uses modeling software such as HEC-RAS and HY-8 to analyze existing/proposed conditions of hydraulic structures to be replaced or modified

Angulo y Vidal Arquitectos, *Civil Engineering Intern*, Valencia, Spain May 2022 – Sep 2022
- Wrote comprehensive coursework and lectures for 10+ units for a masters course in Construction of Port Infrastructure completely in Spanish
- Received certification of authorship for aforementioned documents from la Universidad Tecnológica Tech

Cherry Street Energy, *Sales Intern*, Atlanta, GA May 2020 – Sep 2020
- Researched potential clients and organized information relating to contacts, policies, and sustainability goals into reports
- Learned about energy rate analysis and the sustainable energy sector and received training in the management system Asana

Global Center for Medical Innovation (GCMI), *Lab Assistant*, Atlanta, GA Nov 2018 – May 2019
- Accompanied veterinary technicians, surgeons, and animal care staff and observed daily management of a biomedical engineering testing lab
- Learned how to properly set up an operating room and sanitize medical equipment for both surgery and medical school teaching labs

RELEVANT PROJECT EXPERIENCE

Philippe Park Living Shoreline, *UGA Capstone Design & Atkins*, Athens, GA and Safety Harbor, FL Aug 2022 – May 2023
- Used AutoCAD to design a shoreline protection solution to extend the life of a seawall protecting a nationally recognized historic site
- Researched historic and projected wind speeds and tide datums, and analyzed bathymetric and topographic data for Safety Harbor, FL

RELEVANT COURSEWORK

Open Channel Hydraulics, *UGA*, Athens, GA Fall 2023
- Learned design methods for open channel conveyances and structures for controlling steady and unsteady flows

Hydrology & Hydraulics, *UGA*, Athens, GA Spring 2023
- Learned about unit hydrographs, flood routing, statistical hydrology, design of stormwater control measures, and floodplain analysis

Geographical Information Systems (GIS), *UGA*, Athens, GA Spring 2023
- Learned basic functions of the GIS software for urban planning, engineering, and development

Coastal and Estuarine Processes with Engineering Applications, *UGA*, Athens, GA Spring 2022
- Learned about linear wave theory, astronomical tides and storm surges, sea level rise, coastal responses such as sediment transport, and coastal management practices and applications

Energy Analysis I & II, *UGA*, Athens, GA Fall 2021, Spring 2022
- Learned about energy, thermodynamics, and heat transfer fundamentals using the laws of thermodynamics and the field of energetics
- Learned to perform calculations for analysis in energy production and utilization in building and machine design and industrial systems

CAMPUS AND COMMUNITY INVOLVEMENT

American Society of Civil Engineers, *Student Member* Nov 2022 – Present
Theta Tau – Professional Engineering Fraternity, *Brotherhood Chair*, Athens, GA Sep 2021 – Present
Society of Environmental Engineers, *Member*, Athens, GA Sep 2021 – Present
Junior Panhellenic, *Delegate, Delta Phi Epsilon*, Athens, GA Aug 2019 – May 2020

SKILLS

- Proficient in ArcGIS Pro/QGIS, HEC-RAS, HY-8, Bluebeam, AutoCAD, Excel, Microsoft Office, Civil 3D
- Basic Knowledge of HEC-HMS, Civil 3D Hydraflow, R, MATLAB, MicroStation, OpenRoads Designer, Asana, ProjectWise, Autodesk Storm & Sanitary Analysis