

Ethan Ogle

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EDUCATION

University of Georgia, Athens, GA, 3.83 GPA

May 2026

Majors: B.S. Computer Science, Concentration in Software Design
B.S. Mathematics, Concentration in Applied Mathematics

Honors: *Presidential Scholar Award, Dean's List*

Relevant Coursework: *Data Structures, Software Development, Differential Equations, Multivariable Calculus*

SKILLS

Languages:

Proficient: *Java, Python, SQL, Linux,*

Intermediate: *JavaScript, HTML, C, DAX, LaTeX*

Tools:

Proficient: *Visual Studio Code, Anaconda, Agile Development, PowerBI, Jira, Microsoft Office*

Intermediate: *Git + GitHub, ReactJS, Google Cloud Services, Pandas, Sklearn, MySQL, AWS Services, Firebase*

WORK EXPERIENCE

ORTEC International USA Inc. – *Data Scientist Intern* | Atlanta, GA

May 2023 – Aug 2023

- Completed market research and analysis to determine the most valuable potential improvements to existing products and services. Used research to plan and establish a system of 10 alerts and predictive reports for route managers
- Designed, implemented, and tested a customizable system of 10 autonomous alerts to notify customers' route managers of anomalies, trend breaks, and excessive crossing of thresholds within their supply chains and delivery operations
- Used past data with Machine Learning tools to train a Linear Regression Model in order to predict future data in multiple KPI's (Key Performance Indicators) including the average Cost Per Route for client's deliveries for long-term analysis
- Used Pandas, Numpy, and Sklearn within Python for predictive long-term reports and DAX in PowerBI for the triggered, short-term alerts, while collaborating daily with other team intern and manager
- Presented alert system and predictive reports to executive leadership to be added to services and products

PROJECTS

RateMyTrip – *Social Media Website* | UGA Hackathon

February 2023

- Developed a Full Stack web application using ReactJS framework for frontend on top of Google Firebase database backend to store posts and user account information
- Utilized Google Firebase Authentication to allows users to sign-up and log in securely with email and password
- Implemented CRUD (Create, Read, Update, Delete) operations using Firebase Database and Cloud Firestore
- Collaborated with 3 developers using a Git integrated environment inside of Visual Studio to manage our source control

Scrapps – *Recipe Query Website* | UGA Makeathon

October 2022

- Created a Full Stack web application in an Anaconda environment that displays a comprehensive list of recipes based on a user-provided list of ingredients
- Built an HTML scraper using Python's BeautifulSoup package to parse and sort multiple online web pages and store recipes in a MySQL database to reduce retrieval duration during application run-time
- Implemented a Flask frontend on top of scraper using HTML and Jinja syntax to provide the user with an intuitive UI
- Collaborated with 5 developers using a Git integrated environment inside of Visual Studio to manage our source control

COMMUNITY INVOLVEMENT & LEADERSHIP

Association of Computing Machinery (ACM) – *Executive Officer & CSIP Chair* | Athens, GA

Jan. 2023 – Present

- Present weekly workshops on the topics of data structures, algorithms, technical problem solving, and communication
- Prepare, solve, and explain Leetcode programming problems with members in order to better understand the process of finding solutions and how to present them confidently and robustly

Small Satellite Research Lab – *Flight Software Developer* | Athens, GA

Nov. 2022 – Sept. 2023

- Develop, test, and implement a usb driver for the on-board camera using C and libusb library
- Coordinate with 9 software developers to complete weekly tasks based on user deadlines. Report progress and complications at weekly stand-ups to rest of team

UGAHacks – *Logistics Team Member* | Athens, GA

May 2023 – Present

- Organize, plan, and coordinate the flagship Hackathon at UGA with a combined planned membership of 1000+
- Attend weekly stand ups with 10 volunteers discussing our progress, any complications, and next steps/tasks