

Brenden Waits

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EDUCATION

Georgia Institute of Technology | Atlanta, GA *Fall 2018 - Spring 2022*
Pursuing a B.S. in Computer Science with a minor in Psychology *GPA: 3.62*

- Data Structures & Algorithms | OOP | Machine Learning | Advanced Computer Architecture

EXPERIENCE

Georgia Tech | College of Computing Tutor *Fall 2020 - Present*

- Lead 1-on-1 tutoring sessions with over 30 students
- Teach any classes covering Java, C, data structures, algorithms, OOP, computer architecture

Expedia Group | SDE Intern

Global Payments *Summer 2021*

- Coordinated the redesign and upgrade of a legacy payment processing dashboard
- Implemented a RESTful API using Spring and connected it to a UI built with Angular
- Designed a MySQL relational database schema and published it to RDS
- Drafted a complete in production migration/deployment plan
- Participated in 2 week sprints practicing Agile and Kanban

Financial Core *Summer 2020*

- Integrated a Java enterprise job scheduler with existing internal regression testing tool
- Created a RESTful API using Spring to process company-wide job scheduling requests
- Introduced and administered a UI to visualize and modify scheduling
- Performed bug fixes during sprints to other internal financial tool codebases

Big Data Big Impact | Platform Team Lead *Fall 2018 - Fall 2020*

- Advised three separate teams on data collection and storage for their individual projects
- Mentored and instructed new members on data architecture fundamentals
- Led inter-organizational workshops on API construction and data scraping

PROJECTS

Bus Route Visualizer | Club Project

Real time visualization tool for all running MARTA busses across Atlanta

- Used Flask to write an API to gather, save, and serve bus data from MARTA
- Worked on the design and creation of the visualization dashboard

Garage Door Controller | Solo Project

A Raspberry Pi Python script that creates a web page to control a garage door remotely

- Developed safety sensor recognition and mobile controlling with current door positioning using WSGI

SKILLS

Languages: Java, Python, JavaScript, C/C++, Scala

Technologies: Django, Angular, Flask, Spring, Scikit-learn, Git

Fun fact: I have a real estate salesperson license in Georgia