

Brenden Waits

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EDUCATION

Georgia Institute of Technology | Atlanta, GA

August 2018 - May 2022

Pursuing a B.S. in Computer Science

GPA: 3.57

- **Coursework:** Data Structures & Algorithms | OOP | Machine Learning | OS Design
- Berlin Summer 2019, College of Computing Study Abroad

EXPERIENCE

Expedia Group | SDE Intern

June 2020 - August 2020

- Integrated 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 built with Angular that is connected to the API

Big Data Big Impact | Platform Team Lead

August 2018 - August 2020

- Advising three separate teams on data collection and storage for their individual projects
- Mentoring and instructing new members on data architecture fundamentals
- Lead inter-organization workshops on API construction and data scraping

Morlind Engineering | Freelance Software Engineer

December 2019 - June 2020

- Designed and deployed an e-commerce platform focused on purchasing analytics for uploaded engineering files
- Incorporated payment processing and cloud storage using Paypal and AWS respectively

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 webpage

Traveling Salesman | Partner Project

Algorithm written to find optimal Hamiltonian cycle within a provided time

- Creates a tour with an input of up to 1000 nodes
- Followed a simulated-annealing approach and written in C

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, C, Scala, JavaScript/TypeScript

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

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