

# Brenden Waits

brendenwaits@gatech.edu | github.com/bwaits2 | 678-446-5752 | US Citizen

## 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 - present*

- 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