

Peyton Howell

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EDUCATION

Georgia Institute of Technology

August 2019 - Spring 2022

4.0 GPA, Faculty Honors

- Bachelor of Science in Computer Science
- Concentration in Information Internetworks and Modelling and Simulation

EXPERIENCE

Software Engineering Intern

June 2020 – Present

J.B. Hunt Transportation Services

- Improved stability of web services by creating and refactoring Restful endpoints in SpringBoot
- Increased code coverage to over 80% by writing unit and integration tests using Mockito and Junits
- Created SQL queries for the web services along with a dynamic query builder in Java
- Developed and edited 3 Angular endpoints following a UX/UI markup and company style guidelines, including work with CRUD operations on back-end endpoints and unit testing
- Participated in scrum ceremonies and collaborated with full time engineers and other interns

Desktop Support Student Assistant

December 2019 – May 2020

Georgia Tech Office of Information Technology

- Assist GT staff over phone, in case management software, and through remote support
- Creating scripts in Powershell and CMD to scrape file information utilizing RegEx

Research Intern

January 2019 – August 2019

Birla Carbon

- Researched the effect of types of carbon black on synthetic rubber's properties
- Owned multiple jobs on the precision and repeatability on more than 5 instruments.
- Wrote reports comparing historical quality assurance data to the measured precision

PROJECTS

SplitWay – VandyHack Hackathon Project

- Website that allows college students to easily find people to carpool with to local events using FLASK
- Focused on back-end using Python with Google maps API and SQLAlchemy to search and store information

Georgia Tech Schedule Optimizer

- Created a Python application that scrapes average GPA information from critique.gatech.edu using BeautifulSoup
- Established basic functions to group courses such that the average GPA, and therefore difficulty, of each semester is constant from semester to semester

TECHNICAL SKILLS AND EXTRA-CURRICULARS

Technical Skills

- Languages: Java, Python, Git, HTML, CSS, JavaScript, TypeScript, SQL, C
- Frameworks: SpringBoot, Angular, Flask, Agile, Scrum, Elasticsearch, JPA, JDBC, Derby
- Tools: Postman, IntelliJ, VSCode, MS SQL Server Management, Azure DevOps, Kubernetes, Docker

Coursework

- Object Oriented Programming (Java), Data Structures and Algorithms (Java), Computer Organization and Programming (C, LC3 assembly), Objects and Design (Java), Statistics, Combinatorics, Discrete Math, Linear Algebra

Extra-Curriculars

- Big Data, Big Impact Club, Analysis Team
 - Using SGD in Python to analyze societal problems of Atlanta
- Eagle Scout Award