Peyton Howell

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OBJECTIVE

Seeking an internship position in a software engineering or data science where I can utilize my education and experience in computer science along with my previous work experience to create and improve projects.

EDUCATION

Georgia Institute of Technology   May 2022
4.0 GPA, Faculty Honors
- Bachelor of Science in Computer Science
- Concentration in Information Internetworks and Modelling and Simulation

EXPERIENCE

Desktop Support Student Assistant   December 2019 – Present
Georgia Tech Office of Information Technology
- Assist GT staff over phone, in case management software, and through remote support
- Creating scripts in Power shell Powershell and CMD to scrape file information utilizing Regex

Rubber Applications 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

I.T. Assistant   May 2018 – August 2018
Clifton Ridge Townhomes
- Reconfigured the small office IT infrastructure, and replaced and maintained technology
- Performed variety of tasks including website development, advertisement creation, leasing, and various other residential management-based tasks.

PROJECTS

SplitWay – VandyHack Hackathon Project   November 2019
- Website that allows college students to easily find people to carpool with to local events using FLASK framework
- I focused on the back-end algorithms using Python with Google maps API and SQLAlchemy to search and store information

Georgia Tech Schedule Optimizer   December 2019
- 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
- Java, Python, Git
- Familiar with: HTML, CSS, JavaScript, Bootstrap, SQL,

Coursework
- Object Oriented Programming (Java), Discrete Math, Linear Algebra, Multivariable Calculus
- Currently Enrolled: Data Structures and Algorithms (Java), Computer Organization and Programming (C, machine code, assembly), Objects and Design (Java), Statistics

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