Lily Davisson

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EDUCATION

Colgate University | Hamilton, NY   Expected Graduation: May 2022
Bachelor of Arts   GPA: 3.9/4.0 | Major GPA: 3.8/4.0
- Computer Science major, Art and Art History minor
- Benton Scholar: Scholars group with emphasis on global engagement
- Dean's Award with Distinction for Academic Excellence (all semesters)

Relevant coursework: Introduction to Computing, Data Structures, Computer Organization, Discrete Structures, Operating Systems, Data Structures and Algorithms, Software Engineering, Natural Language Processing

SKILLS

Strong: Python, Java, Git, VSCode, OOP, JSON
Experienced: C, HTML, CSS, JavaScript, REST APIs, NumPy, Pandas, Matplotlib, Jira, Agile

INTERNSHIP AND RESEARCH EXPERIENCE

Intuit | Mountain View, CA (Remote)   May - August 2021
Software Engineering Intern in Goto Market and Experimentation
- Coordinated planning of a migration of 96% of feature flags from a third-party vendor to Intuit's internal experimentation platform to encourage the usage of feature flags and industry-standard code hygiene
- Developed a Python-based script to seamlessly and independently migrate flags, utilizing both platforms' REST APIs, allowing for the immediate migration of 70% of flags
- Researched codebases and documentation to map cross-platform logic and capabilities and programmed a Java-based script to gather and process data about the state flags hosted in third-party vendor using their REST API

Pacific Investment Management Company (PIMCO) | Austin, TX (Remote)   June - August 2020
Technology Analyst Intern in Investment Data
- Launched a graphical and automated futures database on Confluence to increase ease of access and visibility of futures data to allow for faster and more informed trading
- Retrieved and processed futures research and market data using Python investment database APIs and Pandas
- Generated HTML pages to represent this data graphically using Jinja 2 templates, built these pages to Confluence using Confluence REST APIs, and scheduled this process to run daily using AutoSys

Computer Science Research Department | Colgate University   Summer 2019
Internet Constancy Researcher
- Coded Python script that automates retrieval of internet latency measurements and analyzed and visualized mathematical and operational constancy of data using Pandas and Matplotlib
- Summarized findings in poster that was accepted and presented at Internet Measurement Conference 2019 and Internet Traffic Measurements and Analysis 2021

CAMPUS LEADERSHIP AND INVOLVEMENT

Computer Science Department, *Teaching Assistant, Peer-Led Tutoring Group Leader*   Fall 2019 - Present
Case-Geyer Library Circulation Desk, *Circulation Desk Worker*   Fall 2018 - Spring 2020
Utica Refugee Tutors, *Tutor*   Fall 2018 - Fall 2019