Jacob Aminia

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EDUCATION

University of Wisconsin-Madison   Madison, WI
Computer Science, B.S.   May 2024
GPA: 3.71
Related Courses
   Human-Computer Interactions, Theory of Programming Languages, Mobile Systems & Applications,
   Intro to Cryptography, Intro to Artificial Intelligence, Machine Organization & C Programming,
   Intro to Algorithms, Java Programming I-III, Linear Algebra, Multivariable Calculus

EXPERIENCE

Scale Media Inc.   Los Angeles, CA
Data Analytics Intern   May 2023 - August 2023
- Wrote a program in Python that automatically calls REST APIs from the Bureau of Economic Analysis to gather macroeconomic data annually, which allowed Scale's marketing team to gain insight into local economic trends for their target markets.
- Assisted in deploying the program on Knime to allow it to run automatically when new BEA data is released annually.
- Conducted QA on Scale's Tableau databases after a company-wide procedural shift in calculations and presented my reported findings to the relevant team members.

Snap Inc.   Santa Monica, CA
Software Engineer Intern   May 2022 - September 2022
- Wrote a program in Java and Python, using REST APIs and interfacing with Google Cloud, to automate the process of collecting and interpreting crash log files for Snapchat lens tests, alleviating a significant time-consuming burden for the software engineers on my team.
- Applied my classroom knowledge of version control using Git and GitHub to the real-world process of contributing to team repositories, as well as meeting documentation and syntax specifications.
- Gained firsthand experience in software development methodologies, such as SCRUM and CI/CD.

PROJECTS

"Badgeroo" Android App
- Contributed to an Android app written in Java that helps users find college roommates.
- Coordinated the semester-long group project, using GitHub for version control.

Chess Board
- Wrote a two-player text-interface chess application in Python, implementing all chess rules and features from scratch.
- Used this project to hone skills in object-oriented programming, inheritance and polymorphism, and programming problem-solving.

Vectors and Matrices
- Implemented matrix and vector operations such as matrix product, Gauss elimination, and vector projection in Java.
- Used the program to help visualize advanced concepts and confirm difficult computations in multivariable calculus, linear algebra, and artificial intelligence courses.

SKILLS

Programming Languages: Python, Java, C/C++, JavaScript, HTML/CSS
Software: Git, Android Studio, VSCode, IntelliJ, PyCharm, Google Sheets
Soft Skills: written and verbal communication, reception of feedback and criticism