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Computer Science major seeking research opportunities for summer 2019

Amir Shahatit

EDUCATION

University of California, Berkeley

Bachelor's Computer Science | May 2020 | Department GPA : 3.67

Technical Skills: Python, GO, Java, C++, Bash, Jenkins, Bazel, Make, Flex, Bison

Relevant Coursework: Operating Systems, Artificial Intelligence, Algorithms, Security, Compilers

WORK EXPERIENCE

Voleon | Berkeley, CA

May 2018 - August 2018

Software Engineering Intern | GO, Python, Bash, Jenkins, Make, Mesos

- Scheduler Improvements:
 - Used Python and GO to improve a job scheduler's alert system, UI, and base functionality
- Hot Fix Repository:
 - Used Jenkins, Make, and Bash to set up a repository that deploys hot fixes on merges to master.

Intuit | San Diego, CA

May 2017 - August 2017

Software Engineering Intern | Java, Maven

- Health Check Service:
 - Created an API that tests the viability of downstream dependencies
- Delegation Service:
 - Collaborated on a service that delegates a customer's tax return to a tax professional.

TEACHING

Computational Structures in Data Science Course Staff | Berkeley, CA

August 2018 - Present

Undergraduate Student Instructor

- Taught a section of 30 students fundamental programming concepts
- Created course content including lab and homework assignments

Foundations of Data Science Course Staff | Berkeley, CA

August 2017 - May 2018

Undergraduate Student Instructor / Tutor

- Taught a section of 30 students basic python programming and statistics
- Led small tutoring sections of 5 students

PROJECTS

Pintos OS | C

- Collaborated in a group of 4 to create a basic operating system.
- Implemented a priority scheduler, a file system and supported user programs.

Secure File Store | Python

- Created a cryptographically secure file store capable for delegating access privileges and revoking them
- Optimized performance to require minimal network usage when making small edits to arbitrarily large files

LANGUAGES

Spanish: Working proficiency

Arabic: Elementary proficiency

AWARDS

Intuit Small Business Hackathon: Best use of Postman API