Alex Kohanim

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SKILLS

- Software Engineering, debugging, process testing, DevOps
- Languages: *Python 3, Java, C, Javascript, C++, HTML5*, S*cala, PySpark, Pandas, SQL*
- Tools: *Git, MS Office, Jira, Bitbucket*

PROJECTS & EXPERIENCE

Software Engineer II (*Python, Java, Scala*), Vericast – Austin, TX   **Apr 2022 - August 2023**

- Engineered and optimized systems to utilize data and solve problems while measuring the success of cutting edge advertising platforms using Git, REST APIs, Scala, PySpark, Pandas, Java, SQL and Python.
- Collaborated with diverse teams to deliver high-quality solutions.
- Optimized data systems to build and improve advertising platforms.

Software Automation Engineer, Western Digital – San Jose, CA   **Apr 2020 - Apr 2022**

- Engineered and implemented automation tools in python to increase productivity of day-to-day tasks, improving the speed of manual analysis of tests and test failures by 300%.
- Worked closely with Firmware for various Solid-State Drives to build and test client specifications.
- Develop, identify, and implement tests while monitoring existing automation system frameworks.

Software Engineer/Automation, Hubsai – San Ramon, CA   **Dec 2019 – Apr 2020**

- Worked as the Software Engineer and managed teams to design and rebuild infrastructure for IoT communication and platform stability, building an extendable backend for IoT devices on a single platform.
- Implemented IoT security through obfuscating, encrypting, compilation of software; ensuring cleaned commands and end-to-end encryption to prevent man in the middle (MITM) attacks.
- Automated setup processes of various devices to accommodate client setup while also providing clear documentation and compartmentalization of code for future updateability.

Teaching Assistant, SFSU – San Francisco, CA   **Aug 2019 – May 2020**

- Worked under the supervision of Professor Duc Ta and John Roberts; Tasked with grading, modification, and organization of various assignments.
- Provided information regarding Data Structures in C++ and Programming Methodology in Java. Reserving time for collegiate students to appeal and ask questions.

ORGANIZATIONS

Associations of Computing Machinery at SFSU, Vice President   **Spring 2019 – Spring 2020**
Institute of Electrical and Electronics Engineers at SFSU, Active Member   **Spring 2019 – Spring 2020**
MicroMouse at SFSU, Software Lead   **Spring 2019 – Spring 2020**

EDUCATION

San Francisco State University   **San Francisco, CA**

Bachelor of Science in Computer Science   Spring 2020

Santa Barbara City College   **Santa Barbara, CA**

Associates of Science in Computer Science   Spring 2018