Caleb Onuonga

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EDUCATION

San Francisco State University, San Francisco, CA
B.S. Computer Science | Expected Graduation: May 2025
- <u>Relevant Coursework</u>: Data Structures & Algorithms, Python, Java I & II, C++ I & II, Artificial Intelligence, TA for Java 101, TA for Computer Networks
- <u>School Organizations:</u> Jabulani (Black Graduation Committee), Basketball Intramurals, ColorStack
- <u>Awards</u>: Dean's List (Fall 2023)

TECHNICAL SKILLS

- Python (proficient), Java, C++ , SQL, Pymongo, Git, Pytest, NumPy, Sklearn, Matplotlib, Pandas, Pytorch, Jenkins, HTML, CSS

WORK EXPERIENCE

CartStars: Software Engineering Intern
06/2024 - Present
- Building scripts using HTML that implement custom business logic and custom integrations between applications such as Circle, Jotform, and Zapier.

theCoderSchool: Coding Coach
06/2024 – Present
- Providing instruction in programming languages, including Scratch and Python, to students and helping enhance their understanding of computer science concepts.

San Francisco Unified School District: Steam Teacher Assistant
08/2023 – 12/2023
- Helping K-12 students with Computer Science and Steam assignments during class periods.
- Assisting/Teaching K-12 teachers with Scratch coding assignments that will be given to K-12 Students.

Maxar Technologies: Software Engineering Intern
05/2023 – 08/2023
- Developed a new solution that generates an output file containing essential information so that Spacecraft Engineers who drive the spacecraft can identify defective procedures during satellite launch and early operations.
- Updated service info files to have the correct service owner contact information, ensuring developers can quickly and easily reach out with any questions regarding specific services.
- Created a new default branch with a more intuitive naming convention for several GitHub repositories. Additionally, made code adjustments to integrate the new default branch with the Jenkins Pipeline.

Maxar Technologies: Software Engineering Intern
05/2022 – 08/2022
- Collaborated with software engineers to test and resolve issues in application unit tests, utilizing Pytest to ensure successful execution.
- Implemented code formatting and enforced linting across multiple team Python services, ensuring cleaner, more maintainable code.
- Created a new default branch with a more intuitive naming convention for several GitHub repositories. Additionally, made code adjustments to integrate the new default branch with the Jenkins Pipeline.

JPMorgan Chase Software Engineering Virtual Experience: Student / Learner
05/2020 – 05/2020
- Utilized the JPMorgan framework with Python and its libraries to develop a solution that simplifies data analysis for the firm.

PROJECTS

Heart Disease Classification Model: A machine learning model capable of predicting whether or not someone has heart disease based on their medical attributes.

Flight Tracker API Web Application: Developed a Web Application that uses API to display current and future flights and flight information based on user input, Integrated Jinja 2 formatting to create HTML templates and implemented Bootstrap to style and design the web page.

Arduino Nano Irrigation System: Designed and built a smart irrigation system using Arduino and C++; utilized and set up various Arduino components; debugged Arduino code in the creative process using Arduino debugger.

VOLUNTEER EXPERIENCE

African American Community Service Agency Center: Volunteer
- Volunteered once a week at the AACSA to help Kids in the STEM program to practice coding using Raspberry Pi, Python and Java.