Jack Cole

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Education

General Education, B.S in Computer Science
San Francisco State University
Expected Fall 2018

Summary

Proficient in Assembly, C++, Java, Perl, Python, PHP, MySQL, SQLite, SQL Server, JavaScript, HTML/CSS, and Linux server administration. Experienced in Photoshop, After Effects, Illustrator, and MS Office Suite. Skilled at working with database management, front-end and back-end web development, web scraping, and automating employee tasks, such as repetitive data entry. Excels at communicating, problem solving, compromise, and teamwork. Enjoys spending time working on side projects that improve skills.

Professional Experience

Undergraduate Researcher, *San Francisco State University*   *November 2017* – Present

- Lead Web Developer for GeneDive, a collaborative project between SFSU and Stanford University that gives scientists the power to quickly search relationships between diseases, genes, and disorders extrapolated from collections of millions of research papers.
- Developed auto documentation, automated testing, and diagramming of the website using a FSM model. This immensely helped the project leaders understand the structure of the site and refocus development.
- Created state management system to undo, redo, import, and export actions and data, giving scientists and researchers the power to share and collaborate using the website much more effectively.
- Reorganized and refactored the site controller to follow proper OOP and Javascript guidelines. This aided in code readability, allowing current and future development to be more streamlined.
- Weekly Sprint Model: Weekly meetings with Mike Wong and Anagha Kulkarni to review what's progressed and decide the next week's tasks.

Lead Web Developer, *Skates on Haight*   *January 2013* – Present

- Maintained 3 ecommerce websites by keeping SSL registration, domain registrations, front end, and back end programs functional through bug fixing and software updates. Worked on call to bring the website back up within minutes of it going down.
- Saved 3-5 man hours daily by creating software that synchronized products and orders across 3 in-house websites, Amazon, and Google, read emails from vendors and updated tracking numbers, and easy to use tools for employees to quickly do complex tasks.
- Consulted CEO on products offered by software companies, allowing her to make informed decisions on where to invest money and time.

Tutor, *City College of San Francisco*   *October 2016* – July 2017

- Tutored all students enrolled at CCSF in C++, Java, Assembly and computer architecture, Python, MySQL, and HTML/CSS/Javascript.
- Promoted active learning through private tutoring sessions and detailed feedback on how to improve code. Created an environment that promoted critical thinking by encouraging students to approach problems independently.
- Increased efficiency in students' time by improving their development environments on their computers and teaching them how to use IDE software.

Membership and Affiliations/Achievements

Coders Club ICC rep and developer   *August 2016* – Spring 2017

- Actively developing the backend for a Django based social media platform designed to help improve City College of San Francisco club membership by providing a unified location for all club events and information.
- Used Web Design experience to help the Coders Code President fully understand the backend structure of the project.
- Led workshops in Github and Python to help students participate in club projects and develop lifelong skills.