Jason Wong
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Jason Wong graduated from Cupertino High School and is now a student at UCLA who is pursuing a career in Electrical Engineering. He was drawn to this field because of its wide variety of applications to the scientific world, and is most interested in the software development aspect of electrical engineering. He is proficient in Java, familiar with Python, and is currently studying C++.

Jason has a passion for employing his programming knowledge to create various independent projects. Past Java projects include an XOR text encryption program, and a music note transposition program that automatically operates an online music composer. Another project is a rendition of the Minesweeper game that includes an Artificial Intelligence function that automatically plays the game.

Currently, for his Fast-Track coursework, he is working on programming a motion-tracking device that will be used to track an athlete's posture, form and performance during resistance training. His goal in creating this device is to promote safe and constructive training by providing athletes with a straightforward and accessible way to acquire performance feedback.

In addition, during this Fall 2015 quarter, Jason started working as a research assistant for a neurological research lab on campus. His job is to develop software for brain imaging analysis programs. This quarter, he has contributed to the Nipype, Neuroimaging in Python, code base. Nipype is a Python workflow that facilitates interactions between different brain analysis software. He has succeeded in creating a Python interface that wraps his Principal Investigator's brain analysis scripts. Because this interface functions with Nipype, the interface ultimately expands the potential applications of this software in the brain-mapping field. Before joining this research group, Jason was unfamiliar with Python, and his work in this position demonstrates his ability to swiftly learn new programming languages and concepts, and then apply them to new projects. Throughout this project, Jason has gained valuable experience with thoroughly understanding an unfamiliar code base, then independently contributing to an open source initiative.

Overall, Jason is motivated to find a career where he may continue to apply his programming abilities to a scientific endeavor that will benefit others. He looks forward to a software development internship that will allow him to contribute to such a project while gaining more experience with programming.