

Brian Ngo

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WORK EXPERIENCE

Software Engineering Intern

CareFusion Corp

Sep, 2014 - Present

Working on the software aspect of the next generation of CareFusion ventilator:

- Applying agile programming methodologies to refactor the legacy C/C++ code base, fix various bugs, and implement new features
- Created a new test mode to calculate the gas viscosity base on the amount of oxygen input using Lua
- Worked with the development tools code base to keep the development process running efficiently

Software Engineering Intern

Jet Propulsion Laboratory

Sep, 2013 - Jan, 2014

Member of multi-robot control team:

- Designed a GUI which displays live stream video and current location of quadrotors
- Developed an object detection, obstacle avoidance and tracking algorithm.

EDUCATION

Bachelor Of Science

June, 2015

California State Polytechnic University, Pomona, CA

- Major: Computer Science
- Cumulative GPA: 3.4
- Core GPA: 3.7

PROJECTS

Flash Delivery: Developed an Android app which allows users to look up and order food from the restaurants near their locations by using the Delivery.com API

Multi Robot Control: Designed a GUI to show live steam video and display location of the quadrotors, object detection and tracking algorithm, and obstacle avoidance algorithm using C/C++, Qt, OpenCV

SKILLS

- Proficient in C/C++, Java, Lua
- Experience with Pascal, Perl, Python, SQL, JSON, Arduino, HTML, CSS, Latex
- Familiar with Visual Studio, Emacs, Eclipse, Qt, OpenCV, Jira, Assembla, Github, JTag Debugger, OSX, Linux, Windows