

Hong Anh Luu

Software Engineer

1024 S. Atlantic Blvd, Apt 15, Alhambra, CA 91803

hluu114@gmail.com ♦ 626-688-4732

<https://github.com/hal255> ♦ <https://hal255.github.io>

Professional Summary

Software Engineer with 9+ months experience in a sensitive corporate environment, and 7+ projects with teams of multiple engineering disciplines. Outgoing and detail-oriented, great at building and maintaining professional relationships. Always willing to learn and teach others.

Education

Bachelor of Science in Computer Science

May 2017

California State University, Los Angeles

Skills

Computer Languages: JAVA, Python, C#, C++, Visual Basics for Applications (VBA)

Tools/Applications: Eclipse, IntelliJ, Android SDK, Robotic Operating System (ROS), Linux, Unity, Unreal, MySQL, Selenium, MongoDB, OpenCV, GitHub, Web Services, Satellite Tool Kit (STK), Microsoft Access Database

Work Experience

Undergraduate Support Technical Staff
The Aerospace Corporation

Los Angeles, CA
Dec 2016 - Present

- Developed software for stereo camera to generate telemetry data using OpenCV
- Refactored code for real time data transfer to minimize memory limitations and implementation of Maven software project management tool to expedite solutions
- Developed JAVA web services using Tomcat and MySQL to identify and reduce occurrences of anomalies in satellites
- Automated the process of data visualization from Excel spreadsheets to fully generated scenarios using STK and VBA
- Developed user friendly interface with Microsoft Access forms to manipulate Access database and automate data transfer from/to Excel spreadsheets
- Setup and configured virtual machine for web application to aggregate and analyze data of orbital space objects
- Reproduced logical diagrams with Model Base System Engineering (MBSE) tools
- Mentored interns and new hires
- Tracked tasks of all projects using JIRA Project Management
- Pursued self-development by attending Aerospace classes and seminars

Academic Projects

Search Algorithm Lead

Swarmathon 2017 Robotics Competition

Sponsored by NASA

**Los Angeles, CA
Jan 2017 - May 2017**

- Programmed search algorithm to collect cubes with AprilTags using C++ and ROS contributing to the Mars Mission project
- Provided weekly project status using Slack to project lead
- Developed testing criteria for physical rovers and source code
- Prepared technical report that fulfills specifications

Testing and Customer Liaison Lead

Cloud-Based Library & Dashboard Service

Sponsored by The Aerospace Corporation

**Los Angeles, CA
Oct 2015 - May 2016**

- Maintain bi-weekly communication between team members and customer liaison
 - Generated and enforce project schedule to ensure progress is on time
 - Generated automated tests to ensure requirements are met using Selenium
 - Produced requirements document adhering to customer specifications
-

Other Projects

Author & Programmer

Android Translation Application

**Los Angeles, CA
June 2016 - Oct 2016**

- Programmed all available languages of Bing Translator API that can work with all available features of Google's text-to-speech functionality using Android SDK
- Design UX/UI elements to make app more user-friendly & scalability

Software Team Member

Android Application Competition

Fight the Lady Killer Sponsored by The Clinton Foundation

**Los Angeles, CA
Oct 2015**

- Developed 4 modules to inform women of heart disease using Android SDK
- Participated in group discussion that leads to the success of the project
- Produced working demo of application in 48 hours