Hong Anh Luu

Software Engineer

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Professional Summary

Software Engineer with 5+ months experience in a sensitive corporate environment, and 3+ 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++
Tools/Applications: Eclipse, IntelliJ, Android SDK, ROS, Linux, Unity, Microsoft Visual Basics, MySQL, Selenium, MongoDB, OpenCV, GitHub, Web Services

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Work Experience

Undergraduate Support Technical Staff   **Los Angeles, CA**
The Aerospace Corporation   **Dec 2016 - Present**

- Developed software for stereo camera to generate telemetry data using C++
- Developed JAVA web services using Tomcat and MySQL to monitor satellite data
- Developed Excel macros to integrate with other applications using VBA
- Developed user friendly Microsoft Access form to transfer Excel spreadsheets to Access database
- Provided documentation of processes for daily technical tasks using OneNote
- Tracked tasks of all projects using JIRA Project Management
- Pursued self-development by attending Aerospace classes and seminars

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Academic Projects

Search Algorithm Lead   **Los Angeles, CA**
Swarmathon 2017 Robotics Competition   **Jan 2017 - May 2017**
Sponsored by NASA

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

Software Team Member   **Los Angeles, CA**
CSULA Automated Underwater Vehicle Competition   **Aug 2016 - Nov 2016**
Sponsored by ONR, SolidWorks, and BlueRobotics

- Programmed algorithms to detect colors/shapes with Python and OpenCV
- Programmed underwater simulation for camera devices with Python

Testing and Customer Liaison Lead   **Los Angeles, CA**
Cloud-Based Library & Dashboard Service   **Oct 2015 - May 2016**
Sponsored by The Aerospace Corporation

- 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

Software Developer   **Los Angeles, CA**
Unreal Game Project   **June 2017 - Present**

- Programmed save features with Blueprints and C++
- Collaborated with team members on UX/UI design

Author & Programmer   **Los Angeles, CA**
Android Translation Application   **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   **Los Angeles, CA**
Android Application Competition   **Oct 2015**
Fight the Lady Killer Sponsored by The Clinton
Foundation

- Developed 4 modules to inform women of heart disease using Android SDK
- Collaborated with team members on ideas for successful project
- Produced working demo of application in 48 hours

Project Co-Lead   **Los Angeles, CA**
Sunlight Foundation API Project   **May 2015 - Jul 2015**
Learn Teach Code LA

- Developed software to retrieve data from an API and display in a user friendly
  GUI using Python
- Created data flow diagrams to communicate data flow to team and users
- Led and provided guidance to team members unfamiliar with software developing