Paul Jerome R. Hernandez

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EDUCATION

University of Southern California, Los Angeles, CA
B.S. in Computer Science GPA: 3.50 | Fall '16, Spring '17, Fall '18 Dean's List
Expected May 2020
Relevant Courses Taken: Data Structures, Object-Oriented Design, Algorithms and
Computing, Software Engineering, Distributed Systems and IoT, Embedded Systems

EXPERIENCE

USC Autonomous Networks, *Undergraduate Researcher*   Sep 2018 - Dec 2018
Los Angeles, CA

- Streamlined deployment workflow for integration with other services by Dockerizing an online data marketplace for IoT devices
- Executed software test cases and filed software bugs found in cross-platform projects, resulting in smooth pre-verification and formal verification cycles
- Unified platform's Django framework, MQTT pub-sub protocol, and MySQL service using Docker
- Utilized Trello and Jira to keep track of software bugs and documented weekly reports of project progress

Lantrn Ltd., *Software Developer Intern*   May 2018 - Aug 2018
Hong Kong

- Implemented firmware logic using Keil MDK to generate unique serial numbers for over 250+ Lantrn devices
- Reduced time spent on testing hardware functionality by up to 80% through automation tool development using Python's OS library and Nordic's CLI
- Optimized factory assembly stage by 20% by packaging firmware test cases and test protocols in a Python executable

SKILLS

Proficient in: Java, C++
Prior experience with: C, HTML, CSS, Javascript, MySQL, Swift, Python, Node.js
Frameworks/libraries/tools: Git, Confluence, React, AngularJS, Express, jQuery, Docker, Heroku

PROJECTS

Token (iOS) - *https://github.com/pjhernandez18/TokenApp-iOS*
An iOS app's that utilizes Apple's AV Foundation kit to allows users to document their travel experiences with other friends in the form of memory pods distributed by a real-time cloud database
I'm Hungry - *https://github.com/joshmin98/Im_Hungry_Redux*
Contributed to a food and recipe suggestion platform that allows students to find food recommendations near the USC campus and explore popular recipes based on a search query

LEADERSHIP

Project Manager at USC's Lavalab   Jan 2019 - Apr 2019
Oversaw product lifecycle of a travel-sharing app in USC's student-run product incubator
Hackathon Mentor at AthenaHacks 2019   Mar 2019
Mentored a team building a React Native application that uses OpenCV to identify different objects in any language
Co-founder & Web Master for Supper Club SC   Jan 2019
Built a website from the ground up that allows students to view club events and weekly updates for USC's official food club