CHRISTOPHER WHITING

Software Engineer

@ whitingc00@gmail.com   ☎ 949-413-5492   📍 Aliso Viejo, CA   in linkedin.com/in/chris-whiting-84a61960/
github.com/mpro34

EXPERIENCE

Software Engineer

Panasonic Avionics Corporation

📅 November 2014 – Present   📍 Lake Forest, CA

- Developed testing utility that sends numerous randomly formatted UDP messages to a target server; mainly used for stressing applications.
- Developed log collection service for gathering and offloading a specific customers' logs.
- Developed python automation test framework for simulation of wireless video and audio streaming tests with H.264/H.265 encoded media.

Associate Electrical Engineer

Dahl, Taylor & Associates, Inc.

📅 August 2013 – September 2014   📍 Santa Ana, CA

- Oversaw a team of 10 engineers working on a Southern California Edison power pole replacement project.
- Utilized latest technology to speed up processes and deliver more accurate results to customer.

EDUCATION

B.S. in Computer Engineering, Minor in Computer Science

Loyola Marymount University

📅 Sept 2009 – May 2013

CERTIFICATES/CLASSES

- Node with React: Fullstack Web Development - **Udemy**
- Modern React with Redux - **Udemy**
- The Complete NodeJS Developer Course - **Udemy**
- High Performance Computer Architecture - **Gerogia Tech & Udacity**
- Introduction to Information Security - **Gerogia Tech & Udacity**
- Artificial Intelligence for Robotics - **Gerogia Tech & Udacity**

LANGUAGES

English
Japanese
Spanish

SIDE PROJECTS

- **My Reads -** React application for book tracking and searching.
- **Readable Chat -** React & Redux forum application using a Nodejs backend.
- **Currency Pairs -** Python Forex trading application that makes Requests to the Oanda API to both gather and format data, as well as perform trades on said data.
- **WebGL Zombies -** Javascript 3D game created with WebGL.

SKILLS

Languages
Javascript, Python, C/C++, Bash

Frameworks/Others
React, Redux, NodeJS, Express, MongoDB, SQL, HTML, CSS

Version Control/Issue Tracking/CI
Git, Redmine, Teamforge, Jenkins, Heroku

Extra Knowledge
AutoCAD, H.264/H.265 encoding, Tcpdump/Iperf, Apple HLS, Forex & Stock Trading Fundamentals

RESEARCH

Head Software Researcher

LMU Ralph M. Parsons Senior Design Laboratory

📅 August 2012 - May 2013

- Led the development of an extensive algorithm responsible for the appropriate movement of a solar panel to maximize its orthogonality to the sun. A 68HC12 micro-controller was used for this senior capstone research project due to budget and availability. The algorithm was built with loops, subroutines, and analog-to-digital conversions in order to accomplish orthogonality over an extended period of time.