Kelvin Huynh

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WORK EXPERIENCE

Underwriters Laboratory (UL)   Fremont, CA

Laboratory Engineer   May 2016- June 2017

- Record and provide analysis as well as solutions to on points of failures in projects to Engineering management and customers to ensure proper evaluation.
- Provide product test analysis to indicate compliance with the FCC (US), IC (Canada) and ETSI (Europe) regulations.
- Test various licensed and unlicensed wireless technologies (Bluetooth, GSM, WCDMA, LTE, CDMA, NFC, DTS, UNII) for compliance with government defined standards such as PSD, EIRP, Frequency Stability and Harmonics.

Laboratory Technician   Summers of 2014 and 2015

- Assisted on the development of an automated power verification software which resulted in reducing testing time by three hours.
- Extensively used test equipment such as: PSA and PXA Spectrum Analyzer, CMW 500 Wideband Radio communication tester.

San Jose State University- Information Technology Services   San Jose, CA

Network and Wireless Student Assistant   October 2013- June 2014

- Provisioned and configured over 2,200 wireless access points to install around school campus.
- Assisted networking technicians in patching and installing new Cisco switches.
- Developed a heat map of SJSU's Wi-Fi signal strength by surveying the campus to retrieve needed data.

EDUCATION

Regis University (Remote)   Denver, CO

Master of Science, Software Engineering   May 2017- Expected Graduation Fall 2019

San Jose State University   San Jose, CA

Bachelor of Science, Electrical Engineering   May 2016

CURRENT COURSES

Regis MSDS 620 - Data Collection and Preparation

- Exploring various methods for collecting data in data science projects using Spark, Storm, Python, and MongoDB.
- Manipulate dataframes with NumPy and Pandas libraries, used Seaborn, Matplotlib, and other data visualization libraries, to build a linear regression model to predict outcome.

PROJECTS

Stack Exchange MapReduce

- Used tools such as Vagrant, Oracle VirtualBox, Apache Ambari to create an inverted index of Stack Overflow's data from Stack Exchange using Python Spark and Jupyter Notebook.
- Used Mapping and Reducing algorithms to analyze the collected data.

FastScripts Java Application (In progress)

- Design Java application adhering to industry best practices, using layered software architecture and JUnit testing.
- Implement two use cases and developed GUI using Java Swing and includes the use of multi-threading, Spring framework, JDBC, and Hibernate.

Smart Sensor Networking (Senior Project Design)

- Designed and implemented a mesh network of nodes aimed to efficiently communicate with a main server through MQTT protocol using Arduino and Raspberry Pi microprocessors.

SKILLS

- Computer Language Knowledge: Java (fluent); Python (fluent); C++ (familiar); HTML (familiar)