Thinh Le

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WORK EXPERIENCE

Software Design Engineer (Contract)   `Jan 2019 - Mar 2020`
Xilinx, San Jose, CA

- Developed features for internal tools framework to enhance customization, design reuse, and lower barrier of entry for new users
- Tracked and resolved issue tickets on project JIRA and followed agile methods e.g. sprints
- Contributed to error handling methods to reduce unnecessary process execution and runtime by 40-50%
- Planned and prioritized CI/CD automation scope for git repository
- Integrated AI IP to enable machine learning users compilation and AI core access
- Automated regression tests on nightly intervals with Linux development dependencies and reduced disk usage by 75%

Software Engineer Intern   `Aug 2018 - Dec 2018`
Lightning Motorcycles, San Jose, CA

- Configured backend to lower landing page loading time by an average 30 seconds
- Automated database transactions such as retrieval of attributes with query scripts
- Developed React app to schedule vehicle test rides and notify events to customers
- Tested features on a staging server using Apache and OpenVPN
- Created CI/CD process to support building Docker images and push to a private repository
- Created private cloud with Docker that supports DEV, STAGING, and PROD environments

Firmware Engineer   `Sep 2016 - Dec 2018`
Formula SAE Electric SJSU, San Jose, CA

- Performed system validation of high voltage modules using a logic analyzer decoding I2C, SPI, CAN protocols
- Developed User Interface framework for temperature and voltage monitoring on the driver heads-up display
- Wrote drivers for voltage and temperature sensing and safety systems to comply with competition rules
- Planned roadmap for software integrations with hardware teams including mechanical and electrical engineers
- Simulated localization and mapping of vehicle with torque vectoring in Unity

PROJECTS

WhipCRM *React, Python, Tensorflow, OpenCV, Docker, Jenkins, FreeBSD*   www.github.com/TimothyLe/bus-crm
A React-based web application deployed on a locally served cloud to automate small business work flows

SKILLS

Programming	Python, C, C++, Javascript, Shell, MongoDB, SQL
Libraries	Networkx, Django, Flask, TensorFlow, ReactJS, OpenCV, FreeRTOS
Development	Git, JIRA, Jenkins, LSF, AWS, Docker, Apache Server, Unity, OpenVPN, FreeBSD

EDUCATION

BS Computer Engineer   `Dec 2018`
San Jose State University, San Jose, CA