

Calvin Kwan

Los Angeles | calhkwan@gmail.com | <https://www.linkedin.com/in/calvinkwansoftwaredev> | (858) 231-8380

Profile

Driven software engineer with 3 years of software development and DevOps experience. Natural leader and adept communicator who thrives in complex and ambiguous environments. Motivated by challenging problems, learning new skills, and achieving ambitious team goals.

Languages: Python, C++, C, Java, Powershell

DevOps: Azure, AWS, Docker, Ansible, Jenkins, WPKG, TFS, Installshield, DSC, Selenium, Artifactory

Data Analysis: Tableau, Splunk, Prometheus

Skills: Android Development

Experience

Software Development Engineer

Apr 2020-Apr 2021

Western Digital

Irvine, California

- Lead Splunk Dashboard development for VP-level audience; decrease response times by 90%
- Member of DevOps Infrastructure team maintaining CI/CD pipelines and build nodes for firmware engineering
- Developed Python Script for 500+ employees in 20+ countries by analyzing server connections and machine latency
- Developed Ansible playbooks to update 50 department build tools on production servers for 10K+ employees
- Developed, tested, and rollout custom Virtual Box Windows ISO with 30+ build environment tools for 500+ employees
- Lead software transition for 400 users using Ansible, WPKG, and BareMetal PC and VirtualBox VMs with 100% success
- Mentored new interns during the internship program as well as new grads on our team

DevOps Engineer

May 2018 – Apr 2020

Esri

Redlands, California

- Created and maintained CI/CD pipelines for 20+ teams using TFS, Octopus Deploy, PowerShell, and Jenkins
- Configured and maintain InstallShield Installers for five enterprise products, impacting 10K+ external customers
- Developed 30 containers for QA testers for software deployment by using Chef and Docker
- Created Python and PowerShell scripts to automate container creation tasks, saving 25 hours of labor per month

Software Engineer Intern

Jun 2017 – Sep 2017

Esri

Redlands, California

- Automated 150+ builds, load testing, security scans, and deployments through TFS for 20+ teams
- Developed five custom build tasks in PowerShell for TFS for four teams, saving 15 hours of labor per month
- Automated test regression test suite for 20K+ customers by using Selenium, TestComplete, and CodedUI
- Utilized DSC to maintain consistent test machine states weekly for staging and production environment

Technical Projects

- Anonymous (2016): Android and web application for 80 students to share and post anonymous confessions; users can upvote, downvote confessions with a REST API using MySQL and PHP
- Incident Command Center (2015): Android Application designed to enable communication among up to 500 law enforcement officers and civilians during disaster situations
- Simon Says (2015): Created an embedded system game using ATmega 1284 microcontroller; designed to enhance memory and cognitive thinking; programmed in C

Education

B.S. in Computer Science

2018

University of California, Riverside

- Director of Citrus Hack: Founded and organized a 25-person team for UCR's first hackathon with over 350 attendees by raising \$22K in funds and negotiating 50 contracts
- President of Association of Computing Machinery: Led 13 club officers in bi-weekly meetings; facilitated five career development workshops for 150+ students