



Khang Lam

Software Developer Engineer in Testing



Experience

Mercury Insurance Company

QA Automation Engineer II

- Leveraged strong programming skills in in Java to optimize testing processes, reducing testing time by 75%.
- Conducted comprehensive code reviews as the code owner for Mercury's flagship product line, ensuring strict adherence to coding standards. This initiative contributed to a substantial 60% improvement in overall code quality metrics.
- Demonstrated the ability to adapt to huge organizational changes by accommodating to new changes at any stage of the release process.

QA Automation Engineer I

- Successfully integrated automated tests into the CI/CD pipeline, contributing to a more efficient development workflow.
- Collaborated with cross-functional teams in an Agile environment to address test reliability issues, yielding 30% reduction in test failures.

QA Automation Engineer Associate

- Aligned with cross-functional teams in Agile settings for effective communication throughout the software development lifecycle.
- Developed automated test scripts in Java, JavaScript, JSON, MySQL, and service calls.



Projects

Full Stack Development: Youtube2Spotify

[Live](#) | [Repo](#)

JavaScript React / Python Programming

- Developed a Python script utilizing the YouTube Data API and Spotify Web API to automatically convert YouTube playlists to Spotify playlists.
- Implemented OAuth 2.0 authentication to allow users to securely log in to their Spotify and YouTube accounts.
- Created an efficient algorithm to search Spotify for the best matching song based on the title, artist, and duration of a YouTube video.

Reinforcement Learning: Snake Game AI

[Repo](#)

Python Programming

- Developed a Snake AI agent using various types of RL algorithms (Q-learning, OCR, PPO/DQN), integrated with OpenAI Gym framework, to automate the classic game of Snake.
- Leveraged the power of Stable-Baseline3 interfaces for training and evaluating the model, and performance evaluation with TensorBoard.

Web App: VSCode Themed Personal Portfolio

[Live](#) | [Repo](#)

React / Next / JavaScript Programming

- Visual Studio Code themed portfolio to showcase my skills, projects, and experience as a Software Developer enthusiast.
- Leveraged React and Next framework to create a responsive web app that is designed for optimal viewing across multiple devices.
- Using GitHub API to display live information about my GitHub profile.



Education

California State Polytechnic University, Pomona

Bachelor of Computer Science

Minor in Mathematics



Activities

Code Day LA Hackathon

Participant

- First place award for team of four.
- Produced a multi-player platform version of the game "Plant vs. Zombie", where players can play against one another interactively.
- Hosted a test server for multiplayer interactions by using J2EE design patterns to bridge a connection Socket with server to client.



Certifications

Oracle Certified Associate, Java SE 8 Programmer

Certified CloudBees Jenkins Engineer

Certified Scrum Developer

ISTQB Foundation Level Certification

Address

Baldwin Park, CA 91706

Phone

(562) 228-6496

E-mail

khangtlam@gmail.com

Citizenship

U.S. Citizen

LinkedIn

linkedin.com/in/khang-lam/

Personal Portfolio

khanglam.github.io



Programming Languages

Java



C++/ C#



HTML5 & CSS



JavaScript



SQL



Python



Other Skills

Git



Selenium / Web Drivers



JIRA



Agile/Scrum



REST API



Jenkins CI/CD



Node.js



React Js



PyTorch / TensorFlow



Personal Certifications

- ✓ *Machine Learning* by Stanford Coursera
- ✓ *Neural Network* by Stanford Coursera
- ✓ *Structuring Machine Learning Projects* by Stanford Coursera
- ✓ *Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization* by Stanford Coursera

7/22 - Now

11/21 - 7/22

7/19 - 11/21

09/2013-
06/2018

2015

10/2023
12/2022
02/2022
12/2021