



# Khang Lam

## Software Developer Engineer in Testing



### Experience

#### Mercury Insurance Company

QA Automation Engineer II

- Led a team of Junior QA Automation Engineers in the design, development, and execution of automated test.
- Utilized Java, TestNG, Selenium WebDriver, and REST Assured API Testing to maintain a robust Data Driven Testing Framework, ensuring the delivery of high-quality software releases.
- Ability to adapt to big organizational changes, demonstrating flexibility to accommodate and test new changes at any stage of the release process.

QA Automation Engineer I

- Built and integrated configurations for CI/CD pipelines to automate team's daily deployment process via Jenkins.
- Leading end-to-end projects for new products development.

QA Automation Engineer Associate

- Collaborating with cross-functional teams, including developers, business analysts, and project managers, to ensure effective communication and alignment throughout the software development lifecycle.
- Writing and maintaining automated test scripts using Java and service calls.
- Creating and maintaining test documentations.



### 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](mailto:khangtlam@gmail.com)

#### Citizenship

U.S. Citizen

#### LinkedIn

[linkedin.com/in/khang-lam/](https://linkedin.com/in/khang-lam/)

#### Personal Portfolio

[khanglam.github.io](https://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

07/2022-  
Present

11/2021-  
07/2022

07/2019-  
11/2021

09/2013-  
06/2018

2015

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