



# Khang Lam

## Software Developer Engineer in Testing



### Experience

07/2022-  
Present

#### Mercury Insurance Company

QA Automation Engineer II

- Led a team of Junior QA Automation Engineers in the design, development, and execution of automated tests.
- 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.
- Adapted to an Agile development environment, demonstrating flexibility to accommodate and test new changes at any stage of the release process.

11/2021-  
07/2022

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.

07/2019-  
11/2021

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.

09/2013-  
06/2018



### 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.

2015



### Certifications

02/2019  
05/2022  
12/2021  
12/2022

- Machine Learning by Stanford University Coursera
- Neural Network by Stanford University Coursera
- ISTQB Foundation Level Certification
- Certified CloudBees Jenkins Engineer  
<https://certificates.cloudbees.com/bce02820-87c6-485e-bc6b-d71159c4286f>

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### Phone

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### E-mail

[khanglam.cs@gmail.com](mailto:khanglam.cs@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

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Node

●●●●●●

React / Next.js

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TensorFlow

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RL/ML

●●●●●●

API

●●●●●●



### Selected Coursework

Neural Network

Machine Learning

Data Structures & Algorithms

C++ Programming

Database

Computer Architecture

Computer Organization & Assembly

Programming

Artificial Intelligence

Operating Systems

Design & Analysis of Algorithms

Software Engineering