Khang Lam

Software Developer | Automation Engineer

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

Experience

Mercury Insurance Company

7/22 - Now
Software 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.

11/21 - 7/22
Software 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.

7/19 - 11/21
Software 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

09/2013 - 06/2018

California State Polytechnic University, Pomona

Bachelor of Computer Science
Minor in Mathematics

Activities

Code Day LA Hackathon

2015
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

10/2023 Oracle Certified Associate, Java SE 8 Programmer
12/2022 Certified CloudBees Jenkins Engineer
02/2022 Certified Scrum Developer
12/2021 ISTQB Foundation Level Certification

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	●●●○○

Online Certifications

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