Austin Chang

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SKILLS

Languages: Java | Python | HTML | CSS | JavaScript | Gherkin | SQL
Frameworks & Tools: React | Selenium | Cucumber | Junit | MongoDB

WORK EXPERIENCE

Change Healthcare, Richmond, BC | Software Test Engineer | Co-op | May 2021 – Dec 2021
- Designed and implemented a configurable tool in C++ to measure the performance of various storage vendors, which allowed the team to rigorously evaluate the efficiency and compatibility of its product with different storage solutions
- Optimized internal tool performance by 50% through re-evaluation of the Objective-C logic and implementation
- Configured diverse operating systems and settings on virtual machines to orchestrate comprehensive testing
- Conducted comprehensive manual testing of backend systems using Microsoft Test Manager and Azure DevOps

Absolute Software Corporation, Vancouver, BC | Quality Assurance Test Developer | Co-op | Sep 2019 – Apr 2020
- Created automated client-side tests using pytest in Python to refactor the company's automation framework by developing tests for existing and novel product features
- Engineered a Java-based UTC creation field in the application policy configuration for logging critical creation dates
- Collaborated with multiple teams to rectify recurring Kibana errors by enhancing feature logic and parameters
- Monitored and maintained CI/CD pipelines by responding to failures and identifying and resolving any issues

City of Vancouver, Vancouver, BC | Park Ranger | Jun 2023 – Present

Paladin Security Group – Vancouver General Hospital | Shift Supervisor & Security Officer | Feb 2022 – Jun 2023

PROJECTS

Full-Stack E-Commerce Website | Nov 2023 – July 2024
Tech Stack: MERN (MongoDB, ExpressJS, React, and Node.JS), Typescript, Docker, Heroku, Vite
- Engineered a responsive e-commerce web application by including features like cart, checkout, and order placement
- Architected a robust backend API, while also incorporating secure authentication and authorization
- Containerized both frontend and backend applications using Docker and deployed the containers to Heroku's Container Registry for scalable and efficient management

Resume Generator | Aug 2023 – Oct 2023
Tech Stack: React, JavaScript, CSS, Bootstrap, Google Cloud Platform, Netlify
Testing Tech Stack: Selenium WebDriver, Java, Cucumber, Gherkin, GitHub Actions, Maven
- Designed and developed a user-friendly web application that offers a wide array of customizable templates, real-time editing features, and downloading capabilities
- Programmed automated end-to-end and integration test scripts to validate my web application in various scenarios

Personal Website | Dec 2022 – May 2023
Tech Stack: HTML, CSS, JavaScript, Python, Django, Bootstrap, Google Cloud Platform
Testing Tech Stack: Selenium WebDriver, Java, JUnit, Gradle, TestLink
- Developed a personal website to showcase my project portfolio and coding skills
- Deployed my Django-based web application on Google Cloud Platform's App Engine Standard Environment
- Created a testing project by integrating the Page Object Model (POM) design pattern to improve test maintainability

EDUCATION

Bachelor of Science: Major in Computer Science, with Co-op Education | Sep 2016 – Apr 2022
The University of British Columbia, Vancouver, BC