

Trevor Byko

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503-756-0790

Experience

General Motors Co.

Phoenix, AZ (Remote)

Software Development Engineer in Test

April, 2022 – Present

- Participate in regular planning / retrospective meetings to contribute to the efficiency of the development team
- Review business user stories to determine test scenarios and coverage necessity
- Create and execute manual test cases
- Perform deployment validation of discovered defects
- Work closely with the business analyst, developers and business users to understand each function of the application and business requirements as they pertain.
- Review and identify automation candidates, as well as develop and integrate into the application development pipeline

Education

OREGON STATE UNIVERSITY

Corvallis, OR

Computer Science

June 2021

Coursework

Computer Networking
Machine Learning
Graphics Shaders

Mobile Application Development
Parallel Programming
Open Source Software

Computer Architecture
System Administration
Artificial Intelligence

Skills

Languages	Testing	Web Development	Tools
C / C++	TestNG	HTML / CSS / JS	Azure DevOps
Python	Selenium	MySQL / SQLite	IntelliJ IDEA
Java	Maven	NodeJS	IBM zOS

Programming Highlights

A Beer a Day

Android mobile application using RecyclerView framework, ViewModel Architecture and Retrofit for API requests. Allows users to locate nearby breweries, and provides relevant information (beers, location, etc.). SQLite is used for local data storage.

Predicting Income from Lazy Learning

Program that takes in an “n x d” matrix of normalized and binarized personnel data and uses k-Nearest Neighbor algorithm to predict income level. Additionally capable of performing 4 - fold cross validation to find optimal ‘K’. Built using Python with NumPy utilities for efficiency.

University Capstone Project - *Hinsdale Wave Lab Multi-Platform* Control Interface

Designed and delivered a multi-platform application in addition to adding programmatic intelligence to on-site IP addressed valve hardware. The applications allow users to see information about water levels at each facility, as well as provides a UI for viewing live streams. Web app structured using HTML/CSS with Bootstrap and JavaScript. Android app is built using Flutter. Database held on a university resourced MySQL sever.