FENG GUO

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EXPERIENCE

Full-Stack Software Engineer Co-op, Top Hat Monocle
Sep 2023 – Dec 2023

Python, Django, Docker, React, Redux, JavaScript, MySQL, PostgreSQL, ChatGPT API

- Incorporated ChatGPT for professors to create questions and reduce assessment production times by 20%.
- Spearheaded experiment of introducing AI "study buddy" for students to synthesize learning materials and curate personalized study questions to increase average grades by 5%.

Cloud Software Engineer Co-op, Thomson Reuters
Jan 2023 – Apr 2023

C#, .NET, Kubernetes, Docker, JavaScript, Microsoft Azure Suite, Microsoft, SQL, OData, NUnit, Postman, Datadog

- Developed client-facing APIs in **C#** as part of the Legal Tracker Services team to facilitate business operations to reduce data processing time by 40%.
- Overhauled QA process by introducing **Postman** tests into CI/CD build pipelines and **Datadog Synthetic Tests** to deployed environments to reduce production bugs by 15% and decrease manual testing times by 20%.

Full-Stack Software Engineer Co-op, Canada Startup Company (Startup)
Jan 2022 – Apr 2022

Java, Kotlin, Android Studio, Node.js, React, Kubernetes, Amazon AWS

- Managed a project team from product ideation to development of an AR-based application in **Kotlin** to create a company with a $1 million valuation.

Full-Stack Software Engineer Co-op, Exponet Canada (Startup)
May 2021 – Aug 2021

Groovy, Grails, React/Redux, TypeScript, MongoDB, Amazon MWS API

- Overhauled the order management system in **Groovy** to automatically retrieve orders from Amazon and eBay to eliminate the need for manual entry and updating, reducing the error by 100%.

Software Developer, GlobalTrade Corporation
Jan 2020 – May 2020

Java, JavaScript, HTML/CSS, Oracle WebLogic, SQL, jQuery, AngularJS, Spring Framework

- Designed and implemented a centralized currency repository system in **Oracle SQL** and **Java** to maintain consistency of exchange rate values between companies to eliminate possible discrepancies by 100%.

PROJECTS

WorkDash

Kotlin, Firebase, Jetpack Compose, Google Maps, OpenCV

- Managed the creation of an Android app in **Kotlin** for connecting part-time workers with employers.

Check Me Out

Python, Raspberry Pi, Edge Impulse

- Constructed an automated checkout system using **Python** and **Edge Impulse** to identify produce with 98% accuracy.

Housing Price Index Visualizer

React, MapBox API, Realtor API, Heroku

- Programmed a web application with **React** that uses data from Realtor.ca listings to determine the value of a house using multi-variable regression.

Thing

Javascript, Node.JS, Twilio API, Wolfram Technologies

- Built a virtual assistant through SMS with **Node.JS** and **Twilio** to allow users to search for information, weather, and news without using the internet.
- Winner of THacks 2 and RBC's #FutureMaker's Award for the Most Innovative Solution.

EDUCATION

University of Waterloo

Bachelor of Computer Engineering, Honours – 3.91 GPA
Sept 2019 – Apr 2024

- Algorithms and Data Structures **99%**, Numerical Methods **96%**, Analog Control Systems **97%,** Compilers **93%,** Software Design & Architecture **91%**, Database Systems **90%**