

Osman Wong

US and Canadian citizen

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Skills

Languages: JavaScript • Python • Java • HTML/CSS • C/C++ • TypeScript • Kotlin • SQL • Groovy • Scala

Technologies: Git • React • Redux • Jenkins • Flask • MongoDB • NodeJS • Amazon S3 • DynamoDB

Work Experience

Databricks • *Software Engineering Intern (Incoming)*

Bellevue, Jan 2024 – Apr 2024

Pepperdata • *Full Stack Developer Intern*

Sunnyvale, May 2023 – Aug 2023

Technologies Used: React, Java, TypeScript, Playwright, Material UI

- Refined appearance and behavior of the Pepperdata dashboard frontend, creating a more polished UI
- Modified backend to accommodate client-requested custom user-set configurations for data expiry times
- Wrote frontend E2E tests using Playwright, allowing deprecation of old tests and updates to dependencies

SAP • *Cloud Infrastructure Developer Intern*

Waterloo, Sep 2022 – Dec 2022

Technologies Used: Jenkins, Python, Groovy

- Utilized virtual cloud resources to automate building/testing for SAP HANA's on-premise and cloud releases
- Designed, implemented, and debugged pipeline-as-code automation for a CI/CD release architecture
- Modularized and streamlined build and release stages, reducing number of associated Jenkins jobs by 75%

Phonic AI • *Full Stack Developer Intern*

Foster City, Jan 2022 – Apr 2022

Technologies Used: React, Redux, Python, Flask, MongoDB, Amazon S3, Material UI

- Wrote media survey import/export for Phonic's research platform, preventing 3 critical outages per week
- Developed cross-tabulation of ML-extracted features and quantitative data to reveal quant/qual insights
- Implemented signed multi-part uploads to Amazon S3, increasing Phonic's large-file upload speed by 300%
- Rewrote Phonic's study results screen for an intuitive view of survey metrics and cross-platform integration

Proving Grounds • *Full Stack Developer Intern*

Calgary (Remote), May 2021 – Aug 2021

Technologies Used: React, NodeJS, Python, DynamoDB, AWS Lambda, Bootstrap

- Developed the frontend and backend of the following major features for a gliding club admin web app:
 - Implemented retroactive revision of glider flight records for hassle-free corrections by club admins
 - Built pre-purchasing of intro flights for prospective members, facilitating client gliding clubs' growth
 - Built flexible height-based pricing, minimizing work for new clients regardless of flight price system
- Maintained and updated program in Python for processing glider flight GPS data for customer viewing

Projects

CamWow

- Implemented computer vision algorithm in Python using OpenCV to recognize preset hand gestures
- Created a gesture-based UI on Raspberry Pi to automate frequently performed user actions on Windows

Education

University of Waterloo • *Bachelor of Software Engineering*

Sep 2020 – May 2025

Courses: Data Structures • Algorithms • Statistics • Operating Systems • Compilers

3.85/4.0 GPA