Michael Salmas

+1 780-223-0426
mpsalmas@gmail.com
linkedin.com/in/michael-salmas
github.com/michael-salmas

SKILLS

Languages: Python, TypeScript, JavaScript, HTML5, CSS
Frameworks & Libraries: Vue3, React, Symfony (Twig), Django, Flask, DearPyGui, WxPython, pandas, NumPy
Tools: Docker & Docker Compose, Git, NPM, Pip, Microsoft Office

EXPERIENCE

Front End Engineer (Internship)   *Jan 2024 – Present*

Chess.com – Remote.

- Coordinated with UX/UI and Back End teams to eliminate a security vulnerability around the friend-link feature by implement a new confirmation step and adding a request modal.
- Improve cheat detection by testing existing cheats and finding vulnerabilities and methods to detect or block them.
- Prioritized and resolved high-priority bugs on the front pages, independently selecting and addressing tickets.
- Assisted with new puzzles integration with specialized team, adding new features and improving existing ones.
- Developed and implemented comprehensive testing suites utilizing Playwright.

Software Engineer (Full-Time)   *Oct 2022 – Dec 2023*

Rapid3D Ltd. – Calgary, AB.

- Developed automated inspection tools for a team of 3D Application Engineers which reduced time spent by up to 90%, and significantly reduced error rates by performing complex deviation calculations more accurately and rapidly than existing industry-standard software.
- Created a React-based visitors log app that reduced the secretary's time spent per visitor.
- Created and deployed an internal hub which hosts company tooling downloads.
- Developed an offline & remote licensing utility to reduce the incidence of piracy on consumer software I wrote. This resulted in no known copies of our software being successfully pirated.

Mechanical Engineering (Various Co-op)   *Jan 2018 – Aug 2022*

Babcock Canada Inc (4 months). – Victoria, BC.

- Resolved issues during refit of Canada's submarines by applying analytical methods and a team-oriented approach.
- Designed and drafted dynamic and static system components in SolidWorks to meet National Defense standards.

West Fraser, Hinton Pulp (16 months) – Hinton, AB.

- Pioneered a risk-based inspection program to ASME standard PCC-3 for pressure vessels and power boilers.
- Analyzed damage mechanisms and failure frequency leading to a 30% reduction in scope for large-scale shutdowns.
- Performed failure analysis on a centrifugal pump shaft leading to modifications to prevent future failures.

PROJECTS

Reward Yourself App *– Personal (In Progress)*

- Developing a mobile app in React that enables users to earn and redeem rewards by completing tasks.
- Learning Typescript and React while working with a Senior Software Engineer as a mentor on this project.

Barcode IMS (Inventory Management System) *– Personal (In Progress)*

- Building a Vue 3-based web app (https://barcodeims.com/) for efficient inventory management using barcodes.
- Developing a sub-app to provide storage locker management, enhancing unit and customer tracking capabilities.

AI Python Image Classification *– School*

- Wrote an image classification program using python, implementing K-NN and K-Means techniques to classify a subset of the CFAIR-10 dataset to a 30% accuracy.

EDUCATION

University of Victoria, Bachelor of Engineering   *Sep 2016 – Aug 2022*
Major: Mechanical Engineering, **Minor:** Computer Science   **Graduating GPA:** 3.9