

EDWIN DO

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EDUCATION

McMaster University

Hamilton, ON

Bachelor of Engineering Management in Software Engineering, Dean's Honour

Sept. 2017 – May 2023

A five-year program that pairs a full undergraduate engineering degree with a core business education.

Relevant Courses: *Data Structures & Algorithms, Databases, Software Design, Software Testing, Computer Architecture*

EXPERIENCE

Software Engineer Intern

May 2022 – Aug 2022

FreshBooks

Toronto, ON

- Developed REST API endpoints for retrieving accounting reports (JSON, CSV) in hexagonal microservices using Django (Python) for a major feature release as part of the product development team
- Improved API error traceability by implementing new validations for error handling for three microservices, making the error messages more meaningful and traceable to over 6 000 users
- Wrote E2E, integration and unit tests to ensure business requirements are met at an acceptable level of code coverage
- Actively participated in regular standups, sprints, retrospectives, swarm testing and task estimation

Software Engineer Intern

May. 2021 – Dec 2021

MenloLab

Hamilton, ON

- Developed a desktop application with Tauri using Rust for a VPN Client used to help users connect to Matlab license servers
- Developed new dynamic visual components and pages that interact with AWS S3 buckets using Vue.js
- Worked with GitLab CI/CD pipeline and Docker images to build and distribute new versions/updates of the VPN Client through Google Cloud Storage (Windows) and Aptly (Linux)

Season 17 MARS Apprentice

May 2021 – Nov 2021

McMaster University

Hamilton, ON

- Collaborated with five other students in an experiential business case competition and won Season 17 of the competition
- Developed insightful strategies and presented business solutions to sponsors including Microsoft Canada, Telus, Canadian Tire Bank, PepsiCo and Jan Kelley
- Created wireframes and mock-ups using Mailchimp, Figma and Canva to help define the team's vision more clearly

Undergraduate Teaching Assistant

Jan. 2021 – Apr 2021

McMaster University

Hamilton, ON

- Teaching assistant for a course teaching software development methodology, data structures and shell scripting
- Prepared and led multiple weekly two-hour tutorial sessions and office hours for over 40+ students

Technical Systems Analyst

Jan. 2020 – Aug 2020

Royal Bank of Canada, RBC

Toronto, ON

- Proactively developed Python scripts to automate the process of integrating business data from various sources
- Wrote automated testing suites using Selenium WebDriver to capture and record where errors occur in transaction processes
- Performed SQL Queries and performed reconciliation with resource plan for the Senior Director

PROJECTS

Movie Nomination Web App | *React, Bootstrap, OMDb API, Git*

- Developed a progressive web application using React and Bootstrap for movie nominations
- Utilized OMDb API to retrieve movie data such as titles, dates, ratings, and implemented search features

Minimo - Open source new tab | *JavaScript, Annyang API, HTML, CSS, Git*

- Forked an open source project and performed a major code refactorization
- Added new features such as To-Do list, weather updates and voice-enabled search (using Annyang API)

SKILLS

Languages: Java, Python, JavaScript, C, C#, Dart, HTML, CSS, Rust, Go, SQL

Frameworks: React, Node.js, Flask, Django, Vue.js, Express.js, MongoDB, Tauri, Unity, Flutter

Tools: Git, Docker, GitLab CI/CD, Node.js, Selenium, Netlify, Google Cloud Platform, VS Code, Visual Studio, Eclipse, AWS

Project/Team: JIRA, Confluence, Slack, MS Teams, Zoom — **Other:** Fluent in English, Cantonese, Mandarin