Matthew Huynh

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EXPERIENCE

Consultant
Jan. 2025 – Aug. 2025

BDO Canada – Credits & Incentives
Toronto, ON

- Draft technical reports for SR&ED and Clean Economy Investment Tax Credits, primarily focusing of software development and engineering projects for eligibility.
- Collaborate with clients across various industries to document technological advancements and challenges in their R&D initiatives.

Program Manager
Oct. 2023 – Present

Jetson Infinity
Hamilton, ON

- Deploying robotic arms across Canada within schools to serve as a **STEAM** resource, prepare high school level students for post-secondary schooling and act as an opportunity to be exposed to technology.
- Liaison between **50+** schools in different provinces and conducting in-person training with various teachers.
- Help develop **6+** technology focused learning modules and worksheets where students learn how to code as well get an interactive experience using Python to move the robotic arm.

Undergraduate Teaching Assistant
Sep. 2021 – Present

McMaster University – ENG 1P13, ENG 2PX3, INNOVATE 2Z03, ENGMGNT 4A03
Hamilton, ON

- Guided 80+ undergraduate students through engineering design and programming fundamentals, providing technical mentorship and personalized feedback.
- Evaluated and supervised engineering projects using Autodesk Inventor, Python, and Quanser, helping students develop innovative solutions to real-world problems.

Software Engineer
May 2023 – Aug. 2023

Royal Bank of Canada – Ojo Canada
Toronto, ON

- Applied an agile development methodology to successfully create a React Native application using TypeScript for our front-end development.
- Assisted in the initial setup for push notifications using Firebase Cloud Messaging, enhancing user engagement and communication within the app.
- Effectively integrated our application with Google Analytics to allow for data-driven decision making and providing valuable insights for future improvements.

Software Developer
May 2022 – Aug. 2022

Royal Bank of Canada – Amplify
Toronto, ON

- Collaborated with a cross-functional team of **4** under SmartReno to address challenges of creating a stress-free renovation journey for Canadian homeowners.
- Designed the user interface of our web application using industry standard technologies such as React.js, Axios, and Material UI, ensuring an appealing user experience.
- Conducted in-depth market research, user interviews and competitive analysis to inform the creation of multiple user personas in which our application could be tailored to.

Analyst
May 2021 – Aug. 2021

Grant Thornton - R&D and Government Incentives
Waterloo, ON

- Collaborated closely with a multidisciplinary team of engineers and accountants to assess client's innovated and experimental processes, aimed at resolving technological uncertainties.
- Assisted in documenting and communicating project details during client meetings. Prepared working papers and CRA (Canada Revenue Agency) tax documents, facilitating claims of up to **35%** of the client's annual expenditure in government incentives.

Projects

Paddle Hand Tracker | *Python, OpenCV*
- Python program that utilizes **Open-CV** to supplement athlete training for dragon boat form when paddling with **90%+** accuracy.
- Developed version control skills using **Git** by keeping everything up-to-date and gained further understanding of CI/CD pipelines through this project.

Recycling Container Sorting | *Python, Quanser*
- With the use of **Raspberry Pi**, executed a Quanser simulation that sorts containers based on its recyclability into their respective bins which includes how the robot travels and drops it off.
- With the use of colour sensors, determined drop off locations and evaluated each type of container.

Skills

Languages: Java, Python, JavaScript, SQL, HTML/CSS
Frameworks: React.js, React Native, Jest, JUnit 5, Material-UI
Developer Tools: Git, Jira, Linux, Firebase, Google Analytics

Education

McMaster University   Sep. 2020 – Apr. 2026
Bachelor of Software Engineering and Management   *Hamilton, ON*