

EVAN HUM

MECHATRONICS ENGINEERING | A.I SPECIALIZATION

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SKILLS

- HTML/CSS
- JavaScript
- Java
- React
- MySQL
- C
- C++
- Python
- Git Bash
- Golang

SUMMARY OF QUALIFICATIONS

- Excellent teamwork and interpersonal skills through 8 years of organized sports
- Developed keen problem-solving skills through the Learning Enrichment Advancement Program at McMaster University
- Self-motivated through independently learning instruments

EXPERIENCE

SOFTWARE DEVELOPER • TELUS HEALTH

May – September 2022

- Analyzed and refactored existing sampler files using Java to test a multitude of functions from the PS Suite application for its efficiency, robustness, and ability to communicate with an Oracle and Postgres database
- Participated in biweekly sprints in which all assigned tasks were completed independently and on time

FULL STACK WEB DEVELOPER • IMAGINE COMMUNICATIONS

September – December 2021

- Promptly integrated into an agile Scrum environment through contributing to current and future sprints while developing clear and concise communication from 15-minute daily scrum meetings
- Developed new QOL features such as new keyboard shortcuts for customers and personalized logins for developers who needed to use the automated testing in a Typescript environment

WEB DEVELOPER/GAME DESIGNER • THE RHETORICON (University of Waterloo)

January – April 2021

- Elicited requirements and translated them into use cases, data models, and a REST API design
- Developed five REST API endpoints, corresponding tests, and a pagination utility using Golang
- Built core components and pages with React, TypeScript, and Next.js including a custom text highlighter, a moderator interface, and complex forms, enabling the crowdsourcing of annotated linguistic research data

PROJECTS

PERSONAL WEBSITE

January 2020

- Re-configured DNS records to enable HTTPS connection on custom domain
- Designed website using Bootstrap framework to create a personalized and professional web page
- Diligently managed time between self-teaching web-development and keeping up with coursework

AUTOGROW • PLANT CARE ROBOT

November 2019

- Constructed autonomous robot using LEGO motors/sensors with 360° rotation and 5 L of water storage
- Programmed robot in RobotC to supply water accurate to 5 mL to multiple plants over a set period
- Collaborated with multiple classmates to efficiently distribute tasks and help the project run smoothly

EDUCATION

University of Waterloo

- Mechatronics Engineering
- Candidate for B.A.Sc. and Artificial Intelligence Option
- Received President's Scholarship of Distinction (95%+ High School Average)

Relevant Courses

- Cooperative and Adaptive Algorithms
- Algorithms and Data Structures
- Operating Systems
- Microprocessors and Digital Logic