Will McIntyre

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- Experienced and meticulous **tech employee** that has worked full-time using Python, with proficiency in C++/C and competence in C# and HTML/CSS.
- Dedicated **student-athlete** and leader at the University of Waterloo as a member of the Varsity Men's Volleyball Team and assistant captain.
- Innovative and creative **engineering student**, with 2+ years experience in AutoCAD, Solidworks, soldering, programming PIC microcontrollers, and constructing PCB's.

Professional Experience

08/2022 – 08/2022
Waterloo, Ontatio

Volleyball Camp Coach, *University of Waterloo*
- Inspired and **led** a team of 50+ young volleyball players to improve technically and tactically.
  - Planned group activities, managed athlete relations and implemented drills in a fast-paced environment.

07/2021 – 08/2021
Waterloo, Ontario

Software Engineering Intern, *SSIMWAVE Inc*
- Collaborated directly with the head of Engineering and **DevOps** team of ~15 members, building integrated tools with Python that were directly pushed to the SSIMWAVE main branch.
- Gained valuable knowledge and **experience** working daily with:
  - MySQL, Git, Linux Ubuntu, Visual Studio Code, GitLab's Pipelines API, JSON data handling, and Jira for Agile development.

Projects

02/2023 – 03/2023

will-mcintyre04.github.io, *Portfolio Website* ↗
- Customized and deployed a portfolio website using HTML, CSS and SCSS showcasing skills and projects.
  - 50+ unique website impressions since deployment.
  - Tracked and resolved 20+ issues using Atlassian's Jira Software and Kanban board, linked to GitHub repository.

01/2023 – 02/2023

Questionable Questions, *.NET Web Application* ↗
- Developed a web application using ASP.NET Core 6.0 as an introduction to the MVC design pattern, C#, HTML and CSS that tracks memorable questions in lecture using a database in a local environment.

09/2022 – 12/2022

Tic-Tac-Toe Robot, *MTE 100/121, University of Waterloo* ↗
- Designed a robot within a 4 member group team using a LEGO EV3 and RobotC that successfully plays Tic-Tac-Toe against a user.
  - Unified **hardware** and **software** design by integrating a series of colour, IR, ultrasonic and gyro sensors. Photos can be found here ↗ .

01/2022 – 06/2022

Firefighter Robot, *TEJ4UI, Laurel Heights Secondary School*
- Modelled and produced a robot in a partnership from scratch capable of detecting, approaching and extinguishing a flame while navigating a maze.
  - Streamlined PCB development and soldering while troubleshooting and programming **microcontrollers**, increasing time efficiency navigating the maze by 200%.

Extra Curriculars

09/2022 – 04/2027
Waterloo, Ontario

University of Waterloo Varsity Men's Volleyball, *University of Waterloo*
- Demonstrated **leadership** and commitment within a 20 member team, contributing to common goals and influencing individuals.
  - Training **25+ hours** a week while balancing academic classes.
  - Ken Davies Memorial Award Recipient. ↗
  - Voted onto 3-member influencer group, meeting weekly to plan team activities/individual meetings.

Education

09/2022 – 04/2027
Waterloo, Ontario

Candidate for Mechatronics Engineering, *University of Waterloo*
- Relevant courses include MTE 100 (AutoCAD, Solidworks design), MTE 121 (C++ , RobotC) and MTE 140 (Algorithms and Data Structures).
  - Paul Craven Engineering and Athletics Excellence Award. ↗
  - 90.27 Academic Average.