Tyler Warwick

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Skills

- Programming Languages: C/C++, Java, Python, HTML/CSS, JavaScript, R, MATLAB, Arduino.
- Systems/Software: Flask, AWS, OOP, GIT, VS Code, PyCharm, AutoCAD, SolidWorks.

Experience

Classroom Supervisor **Wellington District Catholic Schoolboard** *Guelph, ON* **04/2022 – Current**

- Provided quality education to students from ages 5 to 18 which strengthened my ability to teach/explain difficult concepts to others.
- Effectively created lesson plans when they were not provided, in order to maintain a structured and productive learning environment.
- Took on different challenges at various schools and grade levels daily. Provided detailed summaries for returning staff members.
- Used strong interpersonal skills to motivate students resulting in improved optimism in the classroom and referrals for future work.

Product Developer and Fulfillment Manager **The Happy Era** *Guelph, ON (Remote)* **01/2022 - 04/2022**

- Designed company website using Shopify as well as implementing small custom **HTML** and **CSS** tweaks to suit the employer's needs.
- Migrated the site written in liquid to JSON templates, which allowed for further customization and increased maintainability for future employees. This resulted in positive feedback from both customers and other developers.
- Independently carried out initial research and development of dry baking mix, increasing revenue by 15%.
- Led a social media campaign which resulted in a 30% increase in traffic and 25% follower increase across platforms.
- Effectively communicated with coworkers, consultants, and producers to allow for seamless workflows. Reported progress to management in an informative and precise fashion.

Team Lead (Construction) **Ryan Warwick Construction** *Blenheim, ON* **2016 – 2022 (Seasonal)**

- Led a team of up to 3 employees in both on site development and demolition projects resulting in great customer satisfaction.
- Organized and delegated roles to team members based on individual strengths and weaknesses. Boosted efficiency and team morale.
- Instilled process of thoughtful material use and distribution resulting in 25% decrease in materials expenses.

Projects

Personal Website

- Use of HTML, CSS, and JavaScript to develop personal website (tylerwarwick.ca) and establish frontend skills.
- Utilized Flask framework to create a web application that can be scaled and expanded upon for future projects.
- Deployed flask application to a production server via AWS which helped me understand the full cycle of web development.
- Established an understanding of linking code together, API implementation and maintaining a larger code base.
- Expanded problem-solving mindset and ability throughout the process of finding and correcting bugs within source code.

Autonomous Car Design (Design Course)

- Leveraged an Arduino microcontroller, circuit building and mechanical engineering principles to create a self-driving car.
- Experienced the design process from start to finish and how to bring different parts of an interdisciplinary project together.
- Developed documentation skills by creating reports for the design process and completed car in a professional manner.

Education

Bachelor of Engineering, Engineering Systems and Computing (Co-op) **University of Guelph** *Guelph, ON* **2020 - Present**

- Major in Systems engineering and computing (4.0 GPA).
- Completed and exceled in programming, statistics, and mathematics coursework.