

# Ryan Kelsey

---

## Qualifications

---

- Proficient in C, PHP, HTML, JS, and CSS, with experiences of Java, Python, SQL and noSQL database designs.
- Robust software development skills acquired through practical experiences, theory, and personal projects.
- Excellent time management skills acquired from heavily project-based courses and COOP experience.
- Collaboration skills developed by communication with colleagues, management, and external partners.
- Knowledge and frequent use of Windows and Linux operating systems.
- Experience of all stages of software development, from prototyping designs to maintaining/improving upon existing code.
- Valid drivers license and vehicle – willing to relocate.
- Fourth year Computer Engineer student at the University of Guelph

## Education

---

### University of Guelph, Computer Engineering ( CO-OP ) | 2019 – present

- Coursework focused on: Real time systems, embedded reconfigurable systems, systems analysis, hardware design.

## Personal Projects

---

- **Games utilizing a GUI** | Python | (2018) – Hangman, Blackjack, and Pong coded from scratch
- **Toy Car with Crash Avoidance** | C, Arduino | (2019) - Bluetooth controller toy car with basic crash avoidance system
- **GUI E-store** | Java 8 | (2020) – Fully functional E-store allowing the listing of products for sale.
- **Information Databases** | Java 8 | (2020) - Databases with focuses of securely storing student information, employer information, etc.
- **XML to GPX parser** | C | (2021) - A parser that takes in any valid XML tree and converts it to a valid GPX tree, which then can be read and interpreted by a user. Includes all functionality of any standard GPX document
- **Server with GUI and Database** | C, JS, HTML, SQL | (2021) - Created a front-end and back-end web server with GUI and user databases for the storing/manipulation of data. JSON strings were used heavily for this project.
- **Personal Website** | HTML, JS, CSS | (2022) – Recently developed front end website featuring information about myself. [RyanKelsey.com](https://RyanKelsey.com)

## Work Experience

---

### Ontario Soil and Crop Improvement Association, Guelph, ON.

Jr. IT Web Developer (Jan 2022 – Aug 2022)

- Utilized HTML, PHP, CSS, and JS along with jQuery to create and optimize several components of the company's website, such as data ingestion, UI design, and security.
- Worked alongside specialists such as web developers and graphic designers for the assistance in website and application design.
- Frequently used SQL in projects for the storage and querying of data.
- Debugged and tested various aspects of the website.