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github.com/rkzill

Ryankelsey.com

Ryan Kelsey

Qualifications

- Proficient in C, PHP, HTML5, JavaScript, CSS/CSS3, and SQL.
- Good knowledge of OOP such as Python and Java, along with noSQL database designs such as MongoDB.
- Knowledge and frequent use of Linux and Windows operating systems.
- Experience using software such as virtual machines, container technology like docker, git, and XAMMP.
- Robust software development skills acquired through practical experiences, theory, and personal projects.
- Excellent time management and communication skills acquired through professional work experiences.
- Valid drivers license and vehicle.
- Fourth year Computer Engineer student at the University of Guelph

Education

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

- Coursework focused on: Software development and integration, hardware/software codesign, operating systems, and the software development cycle.

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.
- **Information Databases** | Java 8 | (2020) - Database 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

Work Experience

Ontario Soil and Crop Improvement Association, Guelph, ON.

Jr. Full Stack Developer (Jan 2022 – Aug 2022)

- Utilized HTML5, PHP, CSS3, SQL, and JS to create or optimize several components of OSCIA's website.
- Created a new feedback form, user registration, and event creation/attending/viewing layout.
- Developed web applications to assist internal staff with day-to-day tasks – assisted the training of staff on the use of said applications.
- Worked alongside graphic designers in a site redesign for a more visually appealing front-end (can be seen at ontariosoilcrop.org)
- Frequently used SQL in areas of the website for the storage and querying of data.
- Debugged and tested various aspects of the website and database.