

Riley Huston

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🎓 EDUCATION

Bachelor of Science, Computer Science, Minor in User Experience Design (UX), Wilfrid Laurier University

September 2019 –
April 2023

📁 PROJECTS

Portfolio Website, HTML | CSS | Javascript [↗](#)

- Developed a website from scratch to gain further experience using HTML, CSS, and Javascript.
- Custom animations created using the Anime.js library.
- Protected against DDoS attacks by using the Cloudflare network.
- Hosted on GitHub Pages and is available to the public.

N-Queens Solver, HTML | CSS | Javascript | React [↗](#)

- A tool that can be used to solve and visualize the N-Queens problem using CSP Consistency and Minimum Conflict algorithms.
- Visualizes each state generated by the program and shows all conflicts for a chosen queens column.
- Front-end built using the React JavaScript framework and CSS.

School System Database Implementation, PHP | Bootstrap | Apache | Docker [↗](#)

- Designed a Database based on a school system along with 3 other team members.
- Implemented a frontend system using bootstrap that allows users to add, edit, or remove database entries.
- Backend developed in PHP and prevents malicious inputs by using sanitization and prepared SQL statements.
- Database and website hosted locally using a Docker container with Apache.

Royal Bank of Canada Website Prototype [↗](#)

- Collaborated with a senior manager at the Royal Bank of Canada to help redesign their employee learning hub with the assistance of 4 other teammates.
- Generated a prototype design to show the senior manager using User Experience Design concepts in an agile development environment.

{ } LANGUAGES

Python • C • C++ • C# • Java • JavaScript • HTML • CSS • PHP

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Git • Node.js • React • Vite • Unix / Linux • Apache • Docker