

Spencer Hum

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EDUCATION

Queen's University

Bachelor of Computing (Honours) in Software Design

Kingston, ON

Sep. 2022 – 2026

Certifications:

AWS Certified Cloud Practitioner

Dec. 2024 – Dec. 2027

SKILLS

Programming: Python, Java, JavaScript, Typescript, HTML/CSS, Svelte, ExpressJS, MongoDB, PostgreSQL

Web Development: React, TailwindCSS, DaisyUI, SvelteKit, NodeJS

EXPERIENCE

Canada Computers & Electronics

Business Applications Developer Intern

Richmond Hill, ON

Sep. 2024 – Dec. 2024

- Built and designed the B2B (business-to-business) website front-end for Canada Computers & Electronics using React for interactive user interfaces by creating reusable components such as the navigation bar, widgets, and tables for orders and invoices
- Worked with clients to design features that would make the website self-sufficient such as forms, user permissions, searching, along with access to an account manager
- Collaborated with back-end teams to seamlessly integrate front-end features with the existing ERP (enterprise resource planning) system to enhance data flow

PROJECTS

CookKeeper | *PostgreSQL, ExpressJS, TypeScript, JavaScript, React, TailwindCSS*

- Designed a full-stack web application to manage personal recipes, allowing users to create, read, update and delete recipe entries
- Designed back-end routes and middleware with ExpressJS to ensure smooth data flow between the client and database, with thorough endpoint validation using Postman
- Connected frontend to PostgreSQL database using ExpressJS to create controllers for functionalities

Workout Planner | *MongoDB, mongoose, ExpressJS, TypeScript, JavaScript, React, TailwindCSS*

- Built a workout logging system that allows users to track exercises by creating, reading, updating and deleting details such as load, reps, and exercise name
- Utilized MongoDB with Mongoose for efficient database modeling and data storage, enabling real-time updates to user logs

Naruto Filler List | *Svelte, SvelteKit, TailwindCSS, DaisyUI*

- Developed an interactive Naruto Filler List guide website with filtering capabilities for episode categories such as 'filler', 'canon', and 'mixed'
- Built user-friendly filters and toggle options to display episodes in table format with optional titles and descriptions, enhancing navigation for anime fans
- Leveraged Svelte, SvelteKit, TailwindCSS, and DaisyUI to create a responsive and dynamic user interface
- Responsive design and compatibility across all devices and screen sizes

Portfolio Website | *TypeScript, JavaScript, React, TailwindCSS, HTML/CSS*

- Developed an interactive portfolio website using React, JavaScript, HTML, and CSS
- Incorporated UI/UX designs and patterns using TailwindCSS to ensure an aesthetically pleasing user experience
- Tested different media queries to ensure responsiveness across all devices and deployed the application on Cloudflare for public access

Genetic Rockets | *JavaScript*

- Developed a program where rockets learn to increase accuracy progressively to reach a certain point based on the successes of previous attempts
- Functionalities to save and include obstacle data for a more complex environment
- Past attempts are saved and shown so that the user can see exactly where previous attempts ended