ELITE LU

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in elitelu

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Summary of Qualifications

- McMaster third year student in Computer Science with a minor in Mathematics
- Completed two different software developer co-op positions and developed applications using various IDES and industry used languages such as Java, C++, and Javascript
- Interested in positions that involve software development, including both frontend and backend

Education

Bachelors of Computer Science with a Minor in Mathematics | McMaster University

= 09 2021 - 04 2026

Hamilton, Ontario, Canada

Job Experience

Frontend Developer Intern | OLG

1 09 2024 - ONGOING

- North York, Ontario, Canada
- Focused on refactoring site from Vue 2 to Vue 3's Composable API
- Developing the OLG.ca website with A11y, increasing site accessibility by 70%
- Working alongside different labs (teams) such as payment and accounts lab on different parts of the site (health, playbreaks, etc.)

Software Developer Intern | CIBC

= 01 2024 - 04 2024

Toronto, Ontario, Canada

- Part of the RMVV (Risk Management Vetting and Validation), DA (Deal Analyzer), and CDD (Climate Data Dashboard) teams
- Focused on development of the different applications by utilizing user stories
- Created the documentation for the CDD Macros and for the DA Admin Application, which increased the usability of the macros by and hastened development by 80%
- Leads the daily meetings as scrum master, thus fostering team support and facilitating agile development

Software Developer Intern | Practice Perfect EMR

= 05 2022 - 09 2022

Orangeville, Ontario, Canada

- Designed an API tester that checks server health along with producing PDFs from APIS
- Generated JSON files from server calls
- Created a GUI for the application in Java for a better user experience
- Decreased overall test duration and bug fix times by 50%

Extracurriculars

Game Development Club | McMaster University

1 09 2023 - ONGOING

Hamilton, Ontario, Canada

- Currently learning and using Godot as a game engine to gain expertise in creating diverse game genres, including platformers, visual novels, and fighting games.
- Focusing on the development of different games along with the design of various amounts of assets (art, music and animation)

VEX Robotics | Newmarket High School

= 09 2019 - 03 2020

Newmarket, Ontario, Canada

- Used VEXCode V5 to develop an application that allowed the team robot to move in the x-y plane
- Aided in the software development of the team robot and helped all 10 allied teams with code
- Designed the clamp mechanism to score points and a block storage area that held 25% more blocks on average

Projects

Elite Lu Website | 😯 | 🌐

† 09 2023 - ONGOING

- Demonstrated coding prowess and artistic abilities through the creation of a captivating website that effectively showcased technical skills and creative talent, resulting in increased visibility and recognition within the industry
- Crafted three supplementary applications, among them a pixel background generator for websites, while also executing two subdomains for side projects like an art portal

 Scores around 90%-95% in terms of efficiency based on PageSpeed Insights GitHub Stats | 😯 **=** 05 2024 - ONGOING Developed a backend application that tracks the user's most commonly used languages in their repos by utilizing Express.js Displays graphically the user's most used languages with an SVG image that can be added onto their README.md files on GitHub • Focusing on adding a weighted graph for projects and colour themes LinkHub | 😯 **1**0 2023 - 06 2024 Website URL consolidation service developed using Next.js and React.js while utilizing JavaScript, HTML, and CSS and allows for users to easily modify by cloning the project and modifying JSONs and a CSS file • Adheres to accessibility best practices and scores a 99% on PageInsights Pixel Background Generator | 📢 **1** 09 2023 - ONGOING Showcases and generates different dithered pixel backgrounds used for my portfolio website The application allow for users to easily change colours, load in presets from a JSON file, and generate images • Halved development time for the backgrounds on my website API and Server Stability Tester **=** 05 2022 - 09 2022 Developed two distinct GUIs that facilitated the generation of JSON and the creation of PDFs from APIs Maintained server health and stability by executing simultaneous server calls in sets of five, ten, or twenty • Produced JSONs of server information of users and decreased test durations by a factor of 50% The Simple Derivatives Game | 😯 **=** 01 2022 - 05 2022 Developed a math game that teaches students in grades 11 and 12 the basics of derivatives in the form of a game • Featured two main game modes: "freeplay" and "normal play", offering distinct game experiences for players, with the latter incorporating a three-lives system. Incorporated procedural generation for interactive user gameplay to engage students, facilitating their easy acquisition of derivative knowledge **Relevant Courses** COMPSCI 4HC3 | Human Computer Interfaces | A+ **=** 09 2023 - 12 2023 McMaster University Designed a prototype for a McMaster online booking portal utilizing design principles, software development life cycles, and coding principles to obtain user satisfaction (waterfall vs. agile) Used background in art to design the UI to match the user's expectations and allow for ease of use (colour theory, button mapping, etc.) COMPSCI 2C03 | Data Structures and Algorithms | A+ McMaster University **=** 09 2022 - 12 2022 Learned about different algorithms and data structures and its usage in modern software development (shortest path algorithms such as Dijkstra's, different sorting algorithms, etc. Demonstrated understanding and ability to apply these algorithms development of code Coding Languages CSS **ARM** C# C++ Haskell **HTML** Elm Gradle Java **JavaScript** Latex Prolog Python SQL Frameworks, APIs, and Libraries Next.js Flask Node.js Processing React.js Vue.js Swagger **Developer Platforms/Tools**

DBeaver JupyterHub Netbeans Adobe Suite (AEM) Cloudflare Workers Eclipse GitHub MATLAB Postman OverLeaf Visual Studio VS Code

Languages

English) Mandarin Chinese