Fiona Isobelle Laygo

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EDUCATION

Trent University   **Peterborough, Ontario**
B.S.c Honors in Computer Science   *Expected Graduation: May 2027*
- o **Cumulative GPA:** 91.20
- o **Related Coursework:** Programming for Computer Science, Software Design & Modelling, Computer Organization, Web Development I: Front end, Applied Calculus, Linear Algebra, Digital World (Microsoft Excel & Office)

PROJECTS

High & Low 2D Mobile Game | *[Website](#)*
- Created and designed a 2D card game version of High and Low using Unity, C#, and Object-Oriented Programming.
- Implemented the Unity Asset Store API for an in-app store, offering diverse card deck designs for user purchase.
- Integrated the Facebook SDK for social media sharing.
- Incorporated Android SDK tools into the Unity environment for debugging and utilizing the Android device emulator for thorough testing.
- Ensured compatibility by targeting different Android API levels, providing a responsive and optimized gaming experience across various devices.
- Published on the Google Play store, gaining over 1000 downloads.

Game Engine Web Application| *[Website](#)* | *[Github](#)*
- Developed an engaging video game search website using React JS, resulting in a user-friendly front end.
- Used JavaScript, HTML, CSS (CSS Grid and flexbox), and JSX for the app's functionality.
- Integrated the RAWG Video Games Database API to provide comprehensive movie data.
- Leveraged the Fetch API for seamless retrieval of JSON data, showcasing proficiency in data handling and manipulation.
- Utilized Postman for API testing and validation.

Currency Converter | *[Website](#)* |*[Github](#)*
- Developed a responsive currency converter app using HTML, CSS, and Vanilla JavaScript
- Integrated the Free Currency API using JavaScript's Fetch API

Pomodoro Timer | *[Website](#)* |*[Github](#)*
- Developed a user-friendly Pomodoro Timer app using React, Bootstrap, CSS, and Tailwind CSS.
- Utilized JavaScript, HTML, CSS, and JSX, incorporating React Hooks for efficient state management.

Calculator | *[Website](#)* | *[Github](#)*
- Engineered a functional calculator application using JavaScript, HTML, CSS, and Tailwind CSS.
- Implemented Immediate Execution Logic for seamless arithmetic calculations.
- Designed the front end with React and Bootstrap.

ACTIVITIES AND LEADERSHIP

Champlain College Residence Council   **Peterborough, Ontario**
Minister of Finances   *Dec 2023 – Apr 2024*
- Led residence-wide initiatives, managed weekly meetings, created budget sheets and financial forecasts, provided financial updates, and ensured transparent communication with senior leadership

SKILLS

Programming: Python, JavaScript, Java, MIPS, HTML/CSS, C#, C, Node.js, React.js, Tailwind CSS, Bootstrap 5, jQuery, OOP

Tools: Android Studio, Android SDK, Facebook SDK, Git, Unity, Postman, Visual Studio, VS Code, Vercel, Eclipse, Mars IDE