ALBERT LAY

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Technical Skills

Languages	|	HTML, CSS, JavaScript, TypeScript, Python*, C*
Technologies	|	React, Git, Jest, Sass, Figma

* indicates past experience

Relevant Experience

Website Developer | UW MathSoc
January 2021 - April 2021

- Developed the MathSoc Cartoons page, by collaborating with their coordinator throughout the process
- Maintained the Mathsoc website to display upcoming events and updates by using WordPress

Projects

Personal website | React
June 2021 - present

- Portfolio website hosted in AWS Amplify & built using Create React App with a responsive design
- Utilized Figma to design and prototype the user interface
- Implemented Google Analytics to track visitors' behaviors

Unbeatable Tic Tac Toe | TypeScript, Sass
July 2021

- Web-based tic-tac-toe with three opponent types: human, dumb AI, and unbeatable AI
- Built using principles of object-oriented programming and bundled with Webpack
- Employed unit tests using Jest to achieve 93% line coverage

Pokédex clone | HTML, CSS, JavaScript
May 2021

- Web application utilizing data from PokéAPI & Pokéres Bastion to display information for 809 Pokémons
- Custom-designed cards, with a flip hover animation to exhibit each Pokémon's status

Stats Made Easy | Python
September 2020

- Desktop program to calculate the probability of random variables modeled with the normal, binomial, and Poisson distribution, displayed in a custom-designed GUI built with Tkinter and scipy
- Implemented numpy and matplotlib to graph probability density functions of normal distributions

Education

University of Waterloo | GPA 3.9/4.0
2020 - 2025 (expected)

Candidate for B.SC, Honours Computer Science

- Computer Science International Upper-Year Scholarship (July 2021)
- University of Waterloo President's Scholarship of Distinction (April 2020)