

ALBERT LAY

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Technical Skills

Languages | HTML, CSS, JavaScript, Python, C
Technologies | React, node.js, Git, Jest, Figma

Relevant Experience

Website Developer | UW Mathsoc January 2021 - April 2021

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

Projects

*links are embedded in the project title

Personal website | React June 2021

- Portfolio website hosted in AWS Amplify & built using Create React App with a responsive design
- Utilized Figma to design and prototype the user interface

Pokédex clone | HTML, CSS, JavaScript May 2021

- Utilized data from PokéAPI and Pokéres Bastion to display information for 809 Pokémons
- Custom-designed cards, with a flip hover animation to exhibit each Pokémon status

TraceNext | HTML, CSS, JavaScript, Flask May 2021

- A contact-tracing software built for ToHacks 2021 that allows users to log their recent locations
- Utilized location data from Google Maps API and email notifications from the EmailJS API

Stats Made Easy | Python September 2020

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

Awards and Distinctions

- University of Waterloo President's Scholarship of Distinction (April 2020)
- Sole recipient of "Top in Indonesia, CIE A Level - Physics" (February 2020)
- Top 25% in the Canadian Senior Mathematics Competition (November 2019)

Education

University of Waterloo | GPA 3.9/4.0 2020 - 2025 (expected)
Candidate for B.SC, Honours Computer Science