Nathan Lapak

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Education

University of Alberta
Edmonton, AB
Bachelor of Science Specialization in Computer Science
September 2023 – Present

MacEwan University
Edmonton, AB
Bachelor of Science in Computer Science.
September 2022 – June 2023

Work Experience

Revolution Cycle
June 2023 – August 2023
Full-Stack Developer

- Assisted in the development of the new Revolution Cycle website that improves UX and UI. The development team consisted of two other full-stack developers and a web designer.
- We used Svelte, SvelteKit and PostgreSQL as its tech stack and Figma to help design the website. The software development process uses Gitlab, Docker, CI/CD practices and Git feature branches.

Projects

Personal Website | [Deployment](#)
July 2022 – Present

- Personal website built with React, React-Router and Bootstrap. The website displays my social media links, favorite projects, resume, and skills that I've developed over time.
- The website is updated to help showcase any new projects or skills I've developed in the past few months. I also update the website to improve the user interface and user experience.
- Deployed using GitHub pages and registered the domain - nathanlapak.ca - using Google Domains.

Lottery System Application [GitHub](#)
September 17, 2024 – December 3, 2024

- Android Studio mobile application developed in a group of 6. Built during the lab portion for CMPUT 301 – Introduction to Software Engineering. A short video of our app can be found on my website.
- The project was developed and designed using Figma for UI and GitHub Projects for planning, collaboration, and user stories. Firebase was used as the database for the mobile application.
- At the end of the course, each group had to demo their application to their lab section. The demo had to showcase app functionality and user interface based on the required user stories.

Movie Rental-App | [GitHub](#)
November 1, 2022 – December 1, 2022

- Web application created with other computer science students at MacEwan University for the MacEwan CS hackathon 2023.
- The website is meant to act like a movie rental website where users can rent movies, create an account, browse popular or trending movies. It uses The Movie Database API to get movie data, ratings, and more.
- My part focused on building the frontend and using TMDB API to get data about movies.

Skills

- Programming: Python, C, HTML/CSS, JavaScript/Typescript, Julia, Java, SQL, Git, Command line, Vim.
- Technologies: ReactJS, NextJS, Svelte, SvelteKit, Flask, PostgreSQL, Chakra UI, Bootstrap, Tailwind, Docker.

Relevant Coursework

- CMPUT 301: Introduction to Software Engineering - Built an Android Studio Application as a group of 6.
- CMPUT 204: Algorithms I – Introduction to algorithm design and analysis