

Nathan Lapak

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Education

University of Alberta

Bachelor of Science Specialization in Computer Science

Edmonton, AB

September 2023 – Present

MacEwan University

Bachelor of Science in Computer Science.

Edmonton, AB

September 2022 – June 2023

Work Experience

Explore Edmonton Corporation

June 2021 - Present

Concession Attendant & Server

- Food prep and cashier for Expo Concessions and server for Expo Bars and Banquets.
- Learned important non-technical skills like communication, leadership, teamwork, and more.
- **Part-time job** to help pay for university classes, textbooks and extracurricular activities.

Revolution Cycle

June 2023 – August 2023

Full-Stack Engineer

- Assisted in the development of the Revolution Cycle Ski and Boardwebsite. The development team consisted of two other full-stack developers and a web designer.
- The website uses Svelte, SvelteKit and PostgreSQL as its tech stack and Figma to help collaborate in designing. The new website improves user experience, facilitates transactions between both Revolution cycle stores, and refactors the codebase to help make future development easier.
- The software development process uses Gitlab, Docker, CI/CD practices and Git feature branches.

Projects

Receipt-Scanner Application | [GitHub](#)

November 16, 2023 – November 17, 2023

- Web application created with other University of Alberta students in engineering and computer science. Built for the Hacked Beta 2023 Hackathon.
- The application takes a photo of a person's receipt, analyzes and scans the different items on the receipt, then outputs the different items purchased onto a html table.
- The frontend was built using React and Tailwind for web design and UI. The backend was built using OpenCV for computer vision and PyTesseract for optical character recognition.

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.

Music Composition | [GitHub](#)

November 2021- January 2022

- Used the EarSketch DAW and Python to combine different audio samples to compose a song.
- Runner-Up to the Amazon Future Engineer "Your Voice is Power" competition for Fall 2021.
- Listen to the song [here](#) and check out the results of the competition by clicking [here](#).