

Nathan Lapak

nathan.lapak@gmail.com | (587)-566-7164 | [LinkedIn](#) | [GitHub](#) | [nathanlapak.ca](#)

Education

University of Alberta

Bachelor of Science Specialization in Computer Science

Edmonton, AB

Expected Graduation: June 2026

Work Experience

Revolution Cycle

Full-Stack Developer

June 2023 – August 2023

- Assisted in the development of the Revolution Cycle Ski and Board website. 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 1st, 2022 – December 1st, 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](#).

Technical Skills

Languages: Python, JavaScript/TypeScript, HTML/CSS, SQL

Libraries: React, Svelte, SvelteKit, Tailwind, Bootstrap, NextJS, Flask

Technologies: Git, Docker, Command Line, PostgreSQL, Figma.

Achievements

- Amazon Future Engineer "Your Voice is Power" 2021 Runner-Up. November 2021 – May 2022
- Delf B2 Diploma (French fluency diploma) April 2022 – June 2022
- 3rd Place at the MacEwan CS club Hackathon 2022. November 2022 – January 2023