Nathan Lapak

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EDUCATION

University of Alberta	**Edmonton, AB**
Bachelor of Science Specialization in Computer Science	*Expected Graduation: June 2026*

Work Experience

Revolution Cycle　　　　　　　　　　　　　　　　　　　　　　June 2023 – August 2023
Full-Stack Developer

- Contracted by Revolution Cycle to assist in the development of the Revolution Cycle Ski and Board website. 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

HealthHackED | *https://github.com/RonggangCui/Spirometry-HackED*　　　January 2023 – January 2023

- Collaborated with other University of Alberta students in computer science and engineering. Built for the HackED 2023 Hackathon presented by Intuit.
- Full-stack website that uses React, ChakraUI, Flask and data analytics to determine if an individual has asthma based on user provided information.
- My part focused on building the website using React, ChakraUI and Flask. I helped in connecting the frontend with the backend and creating and designing the homepage for the deployment website.

Music Composition | https://github.com/NateLapak/Earsketch-Song　　　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.

Personal Website | *https://nathanlapak.ca*　　　　　　　　　　　　　　May 2022 - Present

- Personal website built using React and Bootstrap. Has my past projects, an about page, a blog page, a page containing my resume, and a contact page.
- Blog page is updated semi-frequently to share my thoughts about anything related to tech, school and new libraries or technologies I've been using in my projects or at work.
- Deployed and hosted using GitHub pages, domain registered using Google domains.

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