

Lee Naphthine

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EDUCATION

Bachelor of Computer Science (Software Systems Option) | University of Victoria

Sep 2021 - May 2026

TECHNICAL SKILLS

Programming and Web Development: Python, C, Java, C++, Assembly, JavaScript, CSS, and HTML

Databases: SQL, PostgreSQL

Operating Systems: Mac OSX, Unix/Linux, MS Windows

Software: Visual Studio Code, Microsoft Office, Jupyter Notebook, ChatGPT, Git, Ableton Live

Competencies: Technical and creative writing abilities, positive, hardworking, and eager to learn.

PROJECTS

Sustainable Database Infrastructure Project | Python, PostgreSQL, Psycopg2, Bash, Jupyter, Git, VS Code

May 2024

- Developed a PostgreSQL database for *Green-Not-Greed*, a fictional non-profit, and created a Python-based user interface for querying, inputting, and interacting with the database schema.
- Designed the E/R Diagram to provide a visual mapping of the database functionality, tables, and relationships.

Arduino Signaling Display | Assembly Code, C, Atmel AVR, Microchip Studio

Oct 2023

- Built Assembly programs in Microchip Studio, enabling the encoding of letters into LED patterns and durations.
- Acquired valuable skills in low-level programming and deepened my understanding of computer architecture.

ScrapBook Prototype | Adobe XD, InVision

Sep 2023

- Collaboratively designed our *ScrapBook* app prototypes to assist long-distance connections between partners.
- Conducted user interviews and ethnography to identify and implement the key features of our application.
- Utilized Adobe XD and InVision to develop high-level prototype designs for UX testing.

Music Analytics Manager Using Python | Python, NumPy, Pandas, Bash, Git, Vim, VS Code

May 2023

- Coded a Python program in VS Code that provides descriptive analytics on song data based on user inputs.
- Integrated libraries, including NumPy and Pandas, to process and analyze large datasets.

WORK EXPERIENCE

Foster Care Provider | Resource Manager

Victoria, BC | 2013 - Present

- Collaborated with a dedicated team of care workers to provide comprehensive support to children, including those with special needs, fostering their growth and development.
- Provided children with guidance through tough times, building up their independence, and establishing our reputation as a care resource that succeeds under challenging circumstances.

Pigeon Hole | Music Performer

Victoria, BC | 2012 - 2021

- Coordinated tours, negotiated contracts, and secured media features, connecting the band to audiences worldwide.
- Demonstrated advanced technical skills in audio engineering and music production, consistently delivering quality projects under strict timeframes.