

LEE NAPHTHINE

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EDUCATION

Bachelor of Science in Computer Science (BSc) | *University of Victoria* | Victoria, Canada *Sep 2021 - Present*
Software Systems Option | GPA: 3.95/4.0

TECHNICAL SKILLS

Programming and Web Development: Python, C++, C, Java, 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, SFML

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

PROJECTS

Battle Chess | *C++, SFML, VS Code, CMake, Git* *June 2024*

- Developing an advanced chess game in C++ and SFML with unique classes and pieces, each having special abilities.
- Implemented complex game logic and algorithms to enhance strategic player options.

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 database schema.
- Designed the E/R Diagram to deliver a visual mapping of database functionality, tables, and relationships.

Arduino Signaling Display | *Assembly Code, C, Atmel AVR, Microchip Studio* *Oct 2023*

- Built Assembly programs in Microchip Studio, enabling users to encode letters, LED patterns, and duration.
- Acquired valuable skills in low-level programming and a deeper understanding of computer architecture.

ScrapBook Prototype | *Adobe XD, InVision* *Sep 2023*

- Collaboratively designed application prototypes to assist long-distance connections between partners.
- Conducted user interviews and ethnography to identify and implement key features.
- 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 to provide 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 *Victoria, BC | 2013 – Present*

Youth Development

- Collaborated with a dedicated team of care workers to supply comprehensive support to children, including those with special needs, fostering growth and development.
- Provided children with guidance through tough times, building independence, and establishing a reputation for succeeding under challenging circumstances.

Pigeon Hole *Victoria, BC | 2012 – 2021*

Music Performer

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