LEE NAPTHINE

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EDUCATION

Bachelor of Science in Computer Science (Honours) | Software Systems Option   *Sep 2021 - Present*
University of Victoria | Victoria, Canada | GPA: 3.95/4.0   *Expected graduation: May 2026*

TECHNICAL SKILLS

Languages: Python, JavaScript, C++, C, Java, PHP, Go, Assembly, CSS, and HTML
Databases: SQL, PostgreSQL, MariaDB, SQLite
Frameworks: Django, SolidJS, Svelte, Tailwind, DaisyUI, PixiJS, SFML
Cloud and DevOps: OpenStack, Render, Git, Bash
Tools: VS Code, ChatGPT, Jupyter, pytest
Competencies: Full-stack development, Git-based workflows, and a proven ability to learn quickly and contribute reliably.

SELECTED PROJECTS

Battle Chess | *C++, JavaScript, Python, Django, Solid JS, SFML, Pixi JS, VS Code, CMake, Git*   *May 2025*
- Developing an original chess-based video game in C++, JavaScript, and Python with unique classes and pieces.
- Implemented complex game logic and algorithms to enhance strategic player options.

Crowd Hype | *Python, JavaScript, Django, Solid JS, PostgreSQL, VS Code, Render, Cloudflare*   *Feb 2025*
- Designed a full-stack video-sharing app to connect event promoters with their audiences.
- Built a Django + PostgreSQL backend with custom user auth and SolidJS frontend using APIs for camera access.

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.

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.

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

ARCsoft – University Systems | *Python, JavaScript, Django, SolidJS, Svelte, PHP, OpenStack*   *Victoria, BC | 2024 – 2025*
Junior Developer Co-op
- Collaborated with a small dev team to build full-stack research tools and university web portals, including an OpenStack cloud scanner, a data ingestion library, and database query portals.
- Led development on several projects using our Django/JS tech stack to design databases and Python libraries, maintain legacy PHP infrastructure, and work directly with clients across research units.
- Contributed to technical writing and documentation, including blog posts, internal dev guides, and code reviews.

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.