Ryan Lowe

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EDUCATION

University of British Columbia   Vancouver, BC
Bachelor of Science   *Sep. 2023 – Present*

- **Activities**: Game Dev, Queer Coded
- **Relevant Coursework**: Models of Computation, Introduction to Data Science

EXPERIENCE

Van Tech Coding Club   October 2021 – June 2023
Vancouver Technical Secondary School   *Vancouver, BC*

- Taught high school students how to program in various languages, including Python, CSS, JavaScript, and GameMaker Language.
- Taught students about the basics of data structures and algorithms to equip them for the Canadian Computing Competition.
- Helped students prepare for the AP Computer Science A exam by reinforcing key concepts in Java.

PROJECTS

Ultimate Mafia | *HTML, CSS, Javascript, React*   January 2023 – Present

- Contributed to an open source website dedicated towards providing a space for individuals to play chat mafia online.
- Implemented new roles and features for the site, was a leader in feature creation and innovation.
- Learned how to work with a MERN stack project, and gained experience from collaborating with industry professionals.
- Designed and programmed a minigame using React to and JavaScript.

Last.fm Twitter | *Python*   October 2022 – February 2023

- Created a script that posts a users Last.fm listening data onto Twitter.
- Used Last.fm API to analyze listening data in JSON format and translated it into human-readable data.
- Analyzed and stored data to determine daily listening trends.

pAIge.sounds | *Python, Flask, HTML, CSS, Javascript*   October 2023

- Worked with a team of 4 to build a full-stack application.
- Created a program that takes a book, analyzes the contents of the book, then produces a Spotify playlist based on the book.
- Used HTML, CSS and Flask to create a front-end website and interface for the user.
- Used Wikipedia API, ChatGPT API, and Spotify API for the back end to process data, retrieve information and generate information.

Decentralized Chat | *Python*   May 2023 - June 2023

- Created a Discord bot that allowed users to create profiles as a method of anonymous communication.
- Uses Discord commands to allow users to customize profiles and share the same experience as a regular account, but anonymously.
- Create a Discord ecosystem inside discord, with DMs, private channels, and admin commands.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML/CSS, R
Developer Tools: Git, VS Code, PyCharm, IntelliJ, WebStorm, GitHub, LaTeX, Jupyter Notebook
Libraries: Tkinter, Tidyverse, Pygame