

Labib Kowsar

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Electrical Engineering Student

LinkedIn: <https://www.linkedin.com/in/LabibKowsar/>
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TECHNICAL SKILLS

Computer

- Java, C, Python
- Object-oriented programming
- Basic Arduino & circuitry

Software

- Onshape CAD modeling
- MATLAB

Web Development

- HTML, CSS
- JavaScript
- Responsive web design

EDUCATION

University of British Columbia

Bachelor of Applied Science – Electrical Engineering
cGPA: 80.1%

Expected Graduation: May 2025

TECHNICAL PROJECTS

Nika Confessions Discord Bot

July 2022 – August 2022

- Developed an anonymous confessions bot using *discord.js* and *node.js*
- Deployed the bot to the UBC Eng 25' server with ~1,700 members, and has processed and sent over 400 user confessions (and counting)
- Continuously engaged with the community to fix bugs and implement requested features, such as anonymous message moderation, slash-commands, and image support.

Simon Says Arduino Game, UBC

December 2021

- Devised a C program to emulate the classic game of *Simon Says* on an Arduino using LED lights and push buttons
- Prioritized button responsiveness and lowering reaction time; resulting in a more seamless and fun user experience compared to similar projects

Pento's Pledge Platformer

October 2019 – December 2019

- Programmed a medieval-style platformer game using *pygame.py* with an object-oriented architecture
- Achieved smooth character movement and level transition animations using a customized animation class which cycled through a sprite sheet.
- Emphasized creating something people would want to play; accomplished through visually appealing graphics and an original soundtrack.

VOLUNTEER EXPERIENCE

Richmond Cares Richmond Gives, Richmond, BC

November 2020 – December 2020

Toy selector & packer

- Organized and packaged toys efficiently while still ensuring the quality of the experience by tailoring each toy for the recipient child.

- Built rapport with teammates, learned to communicate productively, and multi-task.

AWARDS

BC Achievement Scholarship 2021

PROFESSIONAL AFFILIATIONS

Engineers and Geoscientists British Columbia 2022 – Present

INTERESTS & ACTIVITIES

- **Vegetable gardening**
- **Chess & mobile games**
- **Recreational exercise**