

Polly Liu

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TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML/CSS, Racket, C, Bash

Technologies: React, Node.js, CLI (Linux, Unix)

Developer Tools: Git/GitHub, VS Code, PyCharm, IntelliJ, Figma, Canva, Adobe CC, Cinema4D, Blender

PROJECTS

🔗 Personal Website | *React, HTML/CSS, JavaScript, GitHub, Figma*

- Developed a mobile and desktop-friendly modern website using **React** and wireframed with **Figma**
- Expanded website to have multiple pages as a **single-page application** using **React Router**
- Utilized the **Chakra UI** component library and created reusable components to truncate development time by **40%**
- Animated user interactions and page transitions with **Framer-Motion** to augment website responsiveness

🔗 Cipher.exe | *Python*

- Created a cryptography program in Shell that implements the **Caesar Cipher algorithm** to encrypt/decrypt text
- Applied programming principles including **functional programming**, **I/O**, and comprehensive documentation
- Designed fluid **menu-driven interface** with control flow to handle errors and exceptions

🔗 BankAccount | *Java*

- Constructed a class that simulates a bank by possessing typical bank account attributes and behaviours
- Implemented programming principles: **object-oriented programming** and function design recipes

EXPERIENCE

Operations Director

Sep. 2021 – June 2022

Toronto Youth Network

- **Managed** the progress of all departments consisting of finance, sponsorships, marketing, logistics, and web development to punctually culminate in successful hackathons
- Reviewed department work for **quality control** and provided feedback to uplift the organization's **professionalism**
- Sourced emails of CEOs, contacted **80+** prospective sponsors, and secured **\$1000+** value in sponsorships

Head Bike Coach

Sep. 2021 – Oct. 2021

Jack of Sports

- Taught groups of **4** preschoolers how to bike by pinpointing weaknesses and **demonstrating** how to improve
- **Communicated** with parents about their child's progress every week as well as how they can support the learning
- Reported progress to the company founder after each lesson and contacted bike provider to send/receive bikes

Camp Counselor

Aug. 2021

Toronto Kidz Camp

- In a team of two: **Collaboratively lead** groups of **12** campers aged 4–6 through engaging daily activities including indoor/outdoor games, arts and crafts, and field trips
- **Problem-solved** on the spot by resolving camper conflicts and **adapted** to mesh with every camper's personality
- Personally **designed** and executed dynamic themed activities for the rotating weekly camp themes

EDUCATION & AWARDS

University of Waterloo

Sep. 2022 – April 2027

Honours BCS Candidate, Computer Science

- Specialization in Human-Computer Interaction
- Varsity Athlete: Handler position (disc thrower) on the Waterloo Women's Ultimate Frisbee team
- Awarded President's Scholarship of Distinction (**\$2000**)
- TDSB Ultimate Frisbee Regional **Championship Winner 2022**
- **SHAD Western** Best Project Video 2021
- Fermat Certificate of Distinction (**Top 25%**) 2021

INTERESTS

Instrumentals (Violin, Flute, Guitar), Army Cadets Military Band, Frisbee, Minecraft YouTube videos, Video Games