



## ISABELLA LEROUX

Year 2, Computer Science Major  
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### TECHNICAL SKILLS

**Programming Languages:** JavaScript, TypeScript, Python, Java, C++, R

**Front-end:** React, React Native, HTML, CSS, Tailwind CSS, Jest

**Back-end:** GraphQL, Rest API, Node.js, Express

**Other:** Git, Asana, Figma, Webflow, ArcGIS

### TECHNICAL PROJECTS

**Notion Recipe Saver** - Personal Project

August 2023

**Technologies:** [React](#), [Python](#), [Notion API](#), [Rest API](#), [Flask](#)

- Developed a webpage that enables users to import recipe details from pasted links directly into their Notion (note-taking website) database
- Built a REST API using the Flask framework and harnessed a Python library to web scrape recipes
- Designed a simple front-end interface that interacts with the REST API to scrape the recipe link and utilizes the Notion API to add the recipe details to the user's personal Notion page

**Period Analysis Dashboard** - Hackathon Project

March 2023

**Technologies:** [Google Fit REST API](#), [Express](#), [Node.js](#), [Google Maps API](#), [React](#)

- Built a dashboard that collects menstrual data, predicts future cycles and provides nutritional recommendations based on the user's menstruation phases
- Retrieved menstruation data from users' Google Fit mobile app using the Google Fit REST API, Express and Node.js
- Analyzed data to forecast future period cycles and develop customized recipe recommendations tailored to the user's nutrient needs during each phase of their cycle
- Recipient of "Best Design" Award at cmd-f 2023 hackathon

### WORK EXPERIENCE

**Web Developer Co-op**

May 2023 - Aug 2023

Invoke Media

**Technologies:** [React](#), [React Native](#), [GraphQL](#), [DynamoDB](#), [Tailwind CSS](#), [Redis](#)

- Responsible for implementing designs and features on Incrowd, a multi-perspective live-streaming platform, accessible on both web and mobile app

- Designed and integrated a real-time reaction feature for live-streaming, enabling users to instantly send and receive emoji reactions. Utilized web sockets to ensure real-time interaction and leveraged the framer-motion animation package to create dynamic emoji animations
- Demonstrated strong problem-solving skills by resolving more than 30 bugs, spanning front-end, back-end, web and mobile aspects and ensuring a smoother experience for the user

### **QA Engineer Co-op**

Jan 2023 - April 2023

#### **Alianza**

- Devised, executed and analyzed test cases based on specifications from the development team and customer feedback
- Identified and documented software defects and collaborated with developers to troubleshoot issues and verify fixes
- Designed and implemented automated tests using Python, PyAutoGUI's image validation and Librosa's audio comparison functionality

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## **VOLUNTEER EXPERIENCE**

### **Web Designer**

July 2023 - present

#### **UBC BizTech**

- Successfully maintaining, managing and updating the club's main Webflow website
- Conceptualizing, designing and creating individual webpages for all 8 Biztech events, incorporating animations and interactive components such as modals and drop-downs
- Collaborating closely with BizTech's marketing and development teams to align website content with the club's branding, ensuring a consistent and appealing online presence

### **Developer**

Feb 2023 - May 2023

#### **NNECT**

- Enhanced NNECT's order fulfillment process by implementing automation using Google Sheets and Apps Script functions to streamline the process of gathering, sorting, and preparing orders for delivery.
- Identified and reported bugs on both the desktop and mobile versions of the NNECT web app, while performing thorough backend verifications with the Django database

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## **EDUCATION**

### **University of British Columbia**

Sept 2021 - May 2026

Expected graduation in 2026

2nd year Bachelor of Science, Computer Science Major