

# TIANAI LIU

Millburn, NJ | 650-580-7224 | [27tinaliu@gmail.com](mailto:27tinaliu@gmail.com) | [tinaliu27.github.io](https://tinaliu27.github.io) | [linkedin.com/in/tinaliu27](https://linkedin.com/in/tinaliu27)

## EDUCATION

### The University of British Columbia

Bachelor of Arts in Computer Science, minor in Management

Kelowna, BC

2021 - Expected May 2025

- **Relevant Coursework:** Information Technology Management, Data Analytics, Machine Architecture, Human Computer Interaction, Introduction to Databases, Introduction to Organization Behavior
- **Awards:** 1<sup>st</sup> place in RBC x MSA Case Competition, 3<sup>rd</sup> place in Database Web Development in COSC304 (out of 124 projects), NUS UBC Exchange Award, Published Artist (3x) on Celebrating Art, Deputy Vice Chancellor Scholarship

## EXPERIENCE

### AiTudier

Lead Curriculum Developer

Remote

June 2022 – September 2022

- Led a team of **15+** interns to complete a 42-unit curriculum on EESC, Internet of Things, and C++ by conducting daily checkups on Slack, planning weekly google meets, and discussing individual goals.
- Designed and improved **20+** units on Arduino Boards and C++ programming basics by creating engaging questions, activities, and quizzes to accommodate different learning styles.
- Managed and developed entire curriculum developer internship program by working with co-founders and frontend/backend team leads, interviewing potential candidates, and coordinating project deadlines through Asana.

### Perceptify

Backend Engineer Intern

Remote

May 2023 – August 2023

- Developed and implemented data scraping functionalities utilizing Instagram APIS (instascrape) to extract and analyze relevance and sentiment through social media hashtags, stories, and comments for companies to understand their social media presence.
- Debugged and improved existing backend architecture by removing irrelevant code and improving accuracy/efficiency by scraping data from the last 5 days into Supabase to connect front-end and back-end functionalities.
- Attended weekly meetings on Zoom to discuss weekly updates and goals while also suggesting different backend implementations to optimize the integration of backend components for front-end team.

### The Phoenix News

Social Media Coordinator

Kelowna, BC

September 2022 – Present

- Manage and schedule social media content for the Phoenix News [Instagram](#), Tiktok, Youtube, X and LinkedIn accounts by posting articles, interviews, and updates that increased followers by **25%** and engagement by **120%** (5000+ viewers).
- Design posts and stories to match color schemes, engage with followers, and recommend topics for writers that are relevant to students and trends.

### The University of British Columbia

Undergraduate Teaching Assistant

Kelowna, BC

August 2023 – December 2023

- Supervised lab sessions for more than **100+** students in Computer Fluency by offering guidance on lab activities and GitHub fundamentals.
- Offered personalized feedback and thorough explanation of lab assignments with topics ranging from HTML to JavaScript while also improving student grades by at least +5%.

## PROJECTS

### The Socioeconomic Bias of Not-So-Standardized Testing

Python, Tableau, Asana, Numpy, Pandas, Seaborn

- Conducted data analysis and visualizations for a dataset on standardized scores for math, reading, and writing from different types of student backgrounds (gender, race/ethnicity, parental level of education, test preparation courses).
- Produced an extensive report including graphs (violin plots, bar plots, grids) to conclude that there is no significant difference in intelligence between males and females thus challenging the stereotype that sex plays a role in intellectual performance.

### Personal Portfolio

HTML/CSS, JavaScript, React, Figma

- Developed a personal website to showcase personal projects and work experience in greater detail by including project management process and UI/UX design implementations.
- Implemented UI and UX designs to make my website user friendly and easy-to-read by mapping out designs on Figma, strategically structuring information, and curating simple icons.

### RockPalz

Java, MySQL, HTML/CSS, JavaScript, Figma

- Developed a full-stack project for COSC304 that tests database design, programming, and queries with lab partner to sell pet rocks.
- Placed 3<sup>rd</sup> for overall projects in 2023 out of 124 projects by focusing on front end functionalities with HTML, CSS, and JavaScript to implement visually appealing and functional UI and UX designs.

### 2Fresh2Waste

Java, XML, Figma, JavaScript, Android Studio

- Developed an app that primarily focuses on UI and UX design implementations to help limit food waste by selling local produce made by local farmers for mobile application.
- Conducted user research and usability testing to enhance feedback features and establish design guidelines for users to sell and buy products, look for products nearby, and ask questions.

## SKILLS:

**Technical:** Java, Asana, MySQL, HTML/CSS, JavaScript, C++, Android Studio **Other:** Mobile App Design, Figma, GitHub, UI/UX Design