

# TIANAI LIU

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## EDUCATION

### The University of British Columbia

Bachelor of Arts in Computer Science, minor in Management

Kelowna, BC

Expected May 2025

- **Relevant Coursework:** Data Structures, Intro to Data Analytics, Introduction to Discrete Structures, Matrix Algebra, Machine Architecture, Information Technology Management, Human Computer Interaction (in progress), Software Engineering (in progress), Introduction to Databases (in progress)
- **Activities:** UBCO Tennis Club (Vice President), The Phoenix News (Social Media Coordinator), Quantitative Sciences Course Union (Interim Events Coordinator), Homecoming Ambassador, Orientation Leader (in progress)

## EXPERIENCE

### Perceptify

Remote

Backend Engineer Intern

May 2023 – Current

- Developing data scraping functions to extract data on Instagram with APIs (instascrape) to provide sentiment analysis on hashtag, story, and comment mentions for different companies for early-stage start-up in the business sector.
- Debugging and improving existing Python code by scraping irrelevant data to provide consistent sentiment analysis for popular social media from the last 5 days improving accuracy and efficiency while also writing a significant portion of code for company's backend team.
- Working with Supabase to store sentiment analysis, connecting front end and back-end functionalities

### AiTudier

Remote

Lead Curriculum Developer

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 creating an innovative and unique curriculum from scratch.

### The Phoenix News

Kelowna, BC

Social Media Coordinator

September 2022 – Present

- Manage and schedule social media content for the Phoenix News [Instagram](#) and Tiktak account by posting new articles, interviews, and updates that increased followers by **15%** and engagement by **61%**
- Design posts and stories to match color schemes, engage with followers, and recommend topics for writers that are relevant to students and trends.

### Birdseye Publication

Remote

Recruiting Coordinator Intern

June 2023 - Present

- Identify and recruit new candidates for Birdseye Publication, a student run publication that publishes informative articles on entrepreneurs, through online job boards, professional networks, and referrals.
- Review and evaluate resumes to assess qualifications and suitability for several positions with President.

## PROJECTS

### The Socioeconomic Bias of Not-So-Standardized Testing | Python, MatLab, Tableau, Git

2022

- Conducted data analysis and visualizations for quantitative raw data based on standardized testing outcomes for math, reading, and writing from different types of student backgrounds (gender, race/ethnicity, parental level of education, test preparation courses)
- Utilized numpy, pandas, seaborn, matplotlib to visualize data (violin plots, bar plots, grids) and 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.

### Millburn - Short Hills Historical Society Summer Internship Project

2020

- Conducted in person and virtual interviews about residents in Millburn/Short Hills to preserve local history by asking questions regarding town experiences and local history.
- Uploaded and edited interviews on Vimeo for Township Council and on Millburn/Short Hills Historical Society [website](#).

### Pong Game | Java, Git

2022

- Enhanced an existing pong game from COSC123 by optimizing user experience and interaction.
- Integrated 2 levels of difficulty with color changing backgrounds between 2 players instead of 1.

## SKILLS

- Languages: Java, Python, HTML/CSS/JavaScript, C++
- Frameworks: Node.js, React