

## EDUCATION

### The University of British Columbia

Bachelor of Science in Computer Science (Grade Average: 96.40%/100)

Vancouver, Canada

Sep. 2022 – May 2027

- On a **full scholarship** from [REDACTED] worth over **CA\$300,000**.
- Received UBC's **International Major Entrance Scholarship** awarded to 0.3% of international applicants worth **CA\$80,000**.
- Received UBC's **J Fred Muir Memorial Scholarship** from the UBC Faculty of Science on the recommendation of the Faculty.
- Past CS courses: Systematic Program Design (**97%**), Models Of Computation (**99%**), Software Construction (**96%**)
- Current CS courses: Algorithms and Data Structures, Computer Systems, Software Engineering, Algorithm Design

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Dart, Java, Racket, R, Python, C++, HTML, CSS/SCSS

**Frameworks:** Angular, Express, Flutter

**UI Libraries:** Bootstrap, PrimeNG, Angular Material, Angular CoreUI

**Other Main Libraries and Tools:** MongoDB, Mongoose, got, rxjs, ampqlib/RabbitMQ, Swagger, Postman, Tidyverse, Git, Figma, Docker

## TECHNICAL WORK EXPERIENCE

### CS Undergraduate Teaching Assistant - CPSC 121

UBC Department of Computer Science

Vancouver, Canada

Aug. 2023 –

- Teaching Models of Computation, which covers boolean algebra, circuits, proofs, finite automata, and computer architecture.
- Conducting weekly 2-hour circuitry labs for 60+ students.

### Software Engineering Intern (Full-stack)

- Developed brand-new **maintenance scheduling and execution features** with [REDACTED]
- Helped migrate **3 loyalty management web portals** from AngularJS to Angular 14. These portals will be used by **650+** petrol stations, over **2,000,000** loyalty program members, and the **headquarters** of one of [REDACTED] largest oil companies.
- Researched, prototyped, and implemented **augmented reality accessory fitting** (e.g. shoes, watches, glasses, makeup) using Angular and JavaScript with [REDACTED]

## TECHNICAL PROJECTS

### Floral Rain 花语 | Flutter, Riverpod, Isar

- A childhood **Malaysian Chinese word** [REDACTED] reimagined as a **mobile app** for Android and IOS. Players chain phrases containing words with matching pinyin to score points alongside a timer which refreshes with each successful phrase.
- Uses a **Flutter** frontend with **Riverpod** state management and **Isar**, a local NoSQL database.
- Wireframed and prototyped using **Figma**.

### Angular Virtual Try-On | Angular, WebAR.rocks.hand, WebAR.rocks.face

- An **augmented reality web application** enabling users to virtually try on [REDACTED] on their body using their smartphone camera.
- Used WebAR.rocks.hand and WebAR.rocks.face for body tracking, Three.js for 3D image rendering, and **Angular** for the front-end.

### Malay-English Pop-up Dictionary | BeautifulSoup, Flask, Bootstrap

- A [REDACTED] to help **Malay speakers read and learn English** and vice versa.
- Hovering over inputted Malay text renders English translations as a pop-up over each word.
- Used **BeautifulSoup** to scrape Malay-English translation data and **Bootstrap** for the UI.

## EXTRACURRICULARS

### UBC Computer Science Student Society

Vancouver, Canada

Sep. 2022 –

- Planned and executed social events for UBC's computer science students (e.g. Christmas social).
- Coordinated the **2023 CS gala** which had a **CA\$33K** budget, **150+** attendees, and tons of booze.

### Multimedia Director, Vice President

Vancouver, Canada

Sep. 2022 –

- Planned and executed monthly club events (e.g. game night) and affairs (e.g. postal voting, club merch) for **40+** members.
- Created materials for and ran all club social media accounts (Instagram, Facebook, Telegram, WhatsApp).
- Leading a team of **13** execs to create a supportive and tight-knit community for [REDACTED]

## INTERESTS

- Badminton, climbing, volleyball, *Star Wars*, *The Legend Of Zelda*, durian, anything salted egg-flavoured, rice, linguistics, fanfiction