

# Josh Chan

COMBINED MAJOR · BUSINESS AND COMPUTER SCIENCE

6093 Iona Drive, Vancouver, BC V6T 0B6

☎ (+1) 604-446-2272

| ✉ josh.fl.chan@gmail.com

| 🏠 joshflchan.github.io

| 📷 joshflchan

| 📺 joshflchan

## Education

### UBC Sauder School of Business

Vancouver, Canada

BACHELOR OF COMMERCE · COMBINED MAJOR IN BUSINESS AND COMPUTER SCIENCE

Expected Completion: May 2021

- One of 60 yearly students accepted into the UBC Sauder's competitive Combined Major in Business and Computer Science program
- Key Classes: Introduction to Management Information Systems; Basic Algorithms and Data Structures
- Awards and Scholarships: British Columbia Achievement Scholarship, District/Authority Scholarship

## Technical Summary

- **Programming Languages:** Java | C++ | C# | HTML | CSS3 | Apps Script | JavaScript/JSX | R | Python (learning)
- **Development Tools and Frameworks:** RStudio (dplyr) | Git | IntelliJ/JUnit | MySQL | Node.js | React | JupyterNotebook (learning)
- **Software and Systems:** G Suite | Microsoft Office | Tableau | FileMaker Pro | Windows System | Linux/UNIX
- **Other:** Agile | Scrum | Waterfall | Firebase | Unity Engine | Vuforia AR Engine

## Technical Projects

### VisualEyes

Vancouver, Canada

BIZHACKS UBC

Feb. 2019 - Present

- Developed an eye-tracking and face analysis tool for marketing purposes by utilizing Swift, ARKit 2, and Microsoft Azure Cognitive Services API within 24 hours and placed 1st out of 40+ teams, while winning Best Buy's Best Hack Prize
- Spearheaded management of project by focusing on design elements and implementation analysis, while proactively learning Swift to assist with integration of Microsoft Azure API for sentiment analysis features
- Currently developing web compatible version with React, TensorFlow, and JavaScript to add data visualization features and improve upon limited aspects of proof of concept design from hackathon

### I Choose You!

Vancouver, Canada

NWHACKS UBC

Jan. 2019 - Present

- Awarded "Best Use of Standard Library" out of over 130 teams by creating an augmented reality Pokémon Card game utilizing multiple technologies, such as IBM Watson's Cognitive Services, custom REST API, Unity Engine, and Vuforia within 24 hours
- Created an immersive visual gaming experience by implementing battle animation scripts with C# and integrated Vuforia's AR Engine and image database with Unity Engine's textures and models
- Currently refactoring battle REST API on Standard Library with JavaScript and Node.js and learning Firebase platform to initialize back-end server for multiplayer usage as a long-term project

### vrEMDR: Virtual Reality Psychotherapy

Burnaby, Canada

LUMOHACKS SFU

Sep. 2018 - Nov. 2018

- Engineered an immersive virtual reality psychotherapy app aiming to improve accessibility and effectiveness of Eye Movement Desensitization and Reprocessing within 24 hours and placed 2nd out of 70+ teams
- Diagnosed bottlenecks of design and implementation and programmed the C# scripts within Unity Engine
- Spearheaded follow-up process and reached out to local clinicians to receive funding of \$2000 for further development of project

## Work Experience

### Collegia Advisor

Vancouver, Canada

UBC COLLEGIA

Aug. 2018 - Present

- Served as a vital peer network through the education of first year students in a myriad of resources by hosting three passive and four active programs, highlighting themes of academics, career development, and wellness to help ease the transition to university
- Fostered a welcoming environment for over 200 first year students through active engagement, role modeling, and peer teaching as a UBC ambassador

### Undergraduate Teaching Assistant

Vancouver, Canada

UBC MATHEMATICS

Sep. 2018 - Dec. 2018

- Guided students to focus on personal areas of further development by assessing and providing detailed, individualized feedback to over 150 students for all evaluative course material (Differential Calculus for Social Science and Commerce: MATH 184)
- Facilitated online discussion board by thoroughly answering over 20 inquiries each week to help students comprehend course content and sufficiently advance to higher-level math

## Member and Community Services Intern

Surrey, Canada

COAST CAPITAL SAVINGS CREDIT UNION

Jul. 2016 - Jul. 2017

- Supported branch in exceeding monthly sales targets by 30% by building rapport with members in branch and at community events, processing over 50 daily transactions and credit card registrations, and educating clients on financial services
- Volunteered and led two workshops on fundamentals of money management to over 60 elementary school students in partnership with Junior Achievement BC to foster financial literacy and encourage further curiosity in today's youth

## Extracurricular Activities

---

### Information Technology Associate

Vancouver, Canada

UBC COMMERCE UNDERGRADUATE SOCIETY (CUS)

Jun. 2018 - Present

- Managed and ensured a 100% response rate to all issues and reports within a 24-hour period by proactively monitoring GSuite and user metrics for over 30 CUS members and affiliates
- Reduced the number of malicious emails received by the CUS from over 60 in a month to under five by implementing three back-end projects that refine internal processes through enhanced spam filtering and updated DMARC policies
- Educated internal users of proper cybersecurity practices by launching four internal security campaigns which identified areas of vulnerability

## Interests and Additional Skills

---

- **Interests:** Artificial intelligence, data science, gaming industry, user experience design, environmental sustainability
- **Hobbies:** Photography, sketching buildings and landscapes, competitive Tetris, Ultimate frisbee
- **Trained in:** Safety disclosure, QPR Suicide Prevention, active listening, wellness counselling
- **Languages:** Native proficiency in English, limited proficiency in Mandarin, Cantonese and Thai