Josh FL. **Chan**

COMBINED MAJOR · BUSINESS AND COMPUTER SCIENCE
Vancouver, British Columbia, Canada

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Technical Summary

- **Programming Languages:** Java, R, C/C++, C#, Google Apps Script/JavaScript, Python (Learning)
- **Tools:** RStudio (dplyr), Git, IntelliJ, Unity Engine, Vuforia AR Engine, JupyterNotebook (Learning)
- **Software & Systems:** GSuite & GSuite Management, Microsoft Office, Tableau, FileMaker Pro, Windows System, LINUX/UNIX
- **Methodologies & Practices:** Agile, Scrum, Waterfall

Technical Projects

VisualEyes
BizHacks UBC, Vancouver, Canada

FINALIST HACKATHON PROJECT & SPONSORSHIP PRIZE WINNER: BEST BUY BEST HACK · *Feb. 2018 - Present*

- Developed an eye-tracking and face analysis tool for marketing purposes that utilizes 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, focusing on design elements and implementation analysis, while actively learning Swift to assist with integration of Microsoft Azure API for emotional recognition features
- Currently implementing Android compatible version with Java, ARCore, and JavaScript to add data visualization features add improve upon limited aspects of proof of concept design from hackathon

I Choose You!
nwHacks UBC, Vancouver, Canada

SPONSORSHIP AWARD WINNING HACKATHON PROJECT: BEST USE OF STANDARD LIBRARY · *Jan. 2019 - Present*

- Created an augmented reality Pokemon Card game that utilizes multiple technologies, such as IBMWatson API, custom REST API, Unity Engine, and Vuforia within 24 hours and won "Best Use of Standard Library" out of 130+ teams
- Implemented battle animation scripts with C# and successfully integrated Vuforia's AR Engine and image database with Unity Engine's textures and models to create an immersive visual experience
- Currently refactoring battle REST API on Standard Library with JavaScript and Node.js and actively learning Firebase platform to initialize back-end server for multiplayer usage as a long-term project

vrEMDR: Virtual Reality Psychotherapy
Lumohacks SFU, Burnaby, Canada

FINALIST HACKATHON PROJECT · *Sep. 2018*

- Developed an immersive virtual reality psychotherapy app with the goal of improving 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

Experience

Information Technology Associate
Vancouver, Canada

UBC COMMERCE UNDERGRADUATE SOCIETY · *Jun. 2018 - PRESENT*

- Managed and monitored GSuite applications for 30+ CUS affiliates to ensure a proactive 100% response rate to all issues and reports
- Implemented 3+ back-end projects to refine internal processes, such as enhanced spam filtering and DMARC policies which reduced the number of malicious emails received by the CUS from over 60 in a month to just under 5

Undergraduate Teaching Assistant
Vancouver, Canada

UBC COURSE: DIFFERENTIAL CALCULUS FOR SOCIAL SCIENCE AND COMMERCE (MATH 184) · *Sep. 2018 - Dec. 2018*

- Assessed and provided detailed, individualized feedback to 150+ students for all evaluative material, which allowed them to focus on areas in need of further improvement
- Actively contributed to the online discussion board, thoroughly answering over 20 inquiries each week, which helped students fully comprehend the 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 the branch in exceeding monthly sales targets by building rapport with members in branch and at community events, processing 50+ daily transactions and credit card registrations, and educating clients on financial services
- Led 2 workshops on the fundamentals of money management to 60+ elementary school students in partnership with Junior Achievement BC to foster financial literacy and encourage further curiosity in today's youth

Education

UBC (University of British Columbia) Sauder School of Business
Vancouver, Canada

BACHELOR OF COMMERCE · COMBINED MAJOR IN BUSINESS AND COMPUTER SCIENCE · *Sep. 2017 - PRESENT*

- 1 of 60 yearly students accepted into the UBC Sauder's competitive Combined Major in Business and Computer Science program
- Key Classes: Management of Information Systems; Data Structures and Algorithms (3.8 GPA)