

Robert Chang

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 github.com/samuelwhiskeyjohnson

Technical Skills

Programming languages

Java | JavaScript | SQL | HTML | CSS | JSON

Development Tools/Frameworks

Java Swing | Git Bash | React

Education

UBC Sauder School of Business | Bachelor of Commerce

2019 – 2023 (Expected)

- Specialization: Combined Major in Computer Science & Business
- Award: \$10,000 Outstanding International Student Award based on Academic and Extracurricular Achievements
- Relevant Courses: 94% Software Construction

Work Experience

Mentor for Software Engineering

Jan 2021 – Present

- Improved a university student's software engineering project grade from 30% to 80% by coaching the student the principles of software engineering such as Agile software development methodology using Java and UML diagrams over a 2 month period.
- Analyzed 20 programming mistakes in the student's 500 line project by pair programming and giving tailored critiques based on the student's skill level via Zoom.

Software Engineering Intern

May 2020 – Present

- Reduced risk of losing \$15,000 by 80% by developing a smart daily backup software using Java.
- Lessened business downtime for MRC Asia by up to 48 hours by restructuring cable system from messy mesh topology to simplified star topology.

Army Squad Leader

Oct 2018 – Jun 2020

- Appointed as a squad leader by company commander to lead 5 men caring for their mental and physical welfare.
- Awarded Exemplary Leader Award, which less than 1% of 3000 men receive, by increasing squad leader satisfaction by the members 40% over a two month period.

Volunteering and Extracurricular Experiences

Personal Project: Spaced Repetition Software (SRS) for Studying

Dec 2020 – Mar 2021

- Eliminated 3 most common complaints of popular SRS software Anki such as unintuitive user experience by designing intuitive UI using Java Swing.
- Simplified Anki's complex spaced repetition algorithm by 50% by developing a new algorithm based on a simple Leither System using Java and JSON.

Math Tutor for Underprivileged Students

Sep 2018 – Apr 2019

- Increased two of underprivileged students' math from 60% to 99% by using analogies and illustrations of math functions such as quadratics over a 2 month period.
- Boosted confidence of underprivileged students by encouraging better study habits such as active learning for them to be self-learners.

Interests

- Proficient digital artist (national grand prize winner of Missionary Childhood Association artwork contest) and avid freestyle inline skater (2 years of experience)