

Richard Chen

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TECHNICAL SKILLS

Programming Languages:	Swift, Java, Dart, Python, GraphQL, JavaScript, C++
Databases & Frameworks:	Composable Architecture (Redux), Combine, Node.js, React, Firebase, Flutter
Others:	XCTest, XCode, Jira, Git, JUnit

EXPERIENCE

Software Engineer Co-op (iOS Mobile), [Realtor.com](#) Sep 2021 – Present

- Pioneer the refactor of the authentication and login layer from MVC to a Composable Architecture (Redux) framework
- Transition the Realtor.com iOS app from REST to GraphQL for core feature network calls
- Take ownership over features related to the user's account, authentication, and navigation experience
- Write detailed unit tests over features developed and support Quality Engineering in bi-weekly testing

Assurance Associate / Digital Accelerator, [PwC Canada](#) Sep 2018 – Mar 2020

- Used Alteryx & Tableau to automate repetitive tasks processing, and visualizing multiple fiscal years' worth of financial data
- Assessed financial statements of multi-million dollar companies for compliance with GAAP (IFRS & ASPE)

SOFTWARE PROJECTS

[Discord Hackathon Bot](#) ([Repo](#)) Dec 2020

Technologies: Node.js, Discord.js, Discord API, Firebase Real-time Database

- Created a Discord bot that enables the creation of hackathon teams and basic team management functions
- Used Firebase's Real-time Database to store and retrieve hackathon details, teams, and team member information

[Billable Hour Tracker](#) ([Repo](#)) Nov 2020

Technologies: Java Swing

- Created a billable hour time tracker for professionals enabling the creation of clients, billing categories, and time entries
- Implemented data persistence in local JSON files that can be saved to and loaded on command through Java Swing UI

HACKATHONS

[AuditApp](#) - Hack the North 2021 ([Devpost](#))

Technologies: MongoDB, Express.js, React.js, Node.js, Google Cloud Document AI API, Google Cloud Storage API

- Created a platform for financial auditors to manage requests for documentation from their clients
- Integrated the Google Cloud Document AI and Storage API's into the Node.js backend
- Implemented the logic for parsing relevant financial information from invoices, and fetching & storing documents in the cloud

[Workmate](#) - HackCamp 2020 ([Devpost](#))

Technologies: React, Node.js, Bootstrap, Tachyons

- Built a platform intended to foster employee relations through charitable group activities or other social events
- Developed the employee profile page enabling text input, and integrated the navbar to facilitate navigation to other pages

EDUCATION

Bachelor of Computer Science, 4th Year, Expected Graduation Apr 2023
The University of British Columbia, Vancouver, BC

Bachelor of Commerce (Accounting), Minor in Management Information Systems Sep 2013 – May 2018
The University of Alberta, Edmonton, AB

EXTRACURRICULAR

Vice-President, [Bachelor of Computer Science Student Association](#) Jan 2021 – Dec 2021

- Organized 28 social and career development events for BCS students in connection with alumni & employers
- Successfully planned a hackathon for BCS students with \$4,000 in prizes and ~70 registrants