Alvin Kwan

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☎ 604-537-6639   in alvin-cw-kwan

education

university of british columbia
bachelor of commerce
computer science & business
expected graduation: may 2020

- activities: UBC Launchpad, Biztech Club, eProject Startups, Startup Weekend

coursework

computation
software construction
data structures
introduction to computer systems
introduction to relational databases
artificial intelligence
algorithms
models of computation
differential & integral calculus

information technology
information systems technology and development
management information systems

skills

languages
Java • C • C++ • Python • JavaScript
SQL • HTML5

tools
Git • ReactJS • IntelliJ
JUnit • Android Studios • Microsoft Visual Studios

general
languages
English • Cantonese • Mandarin
software
LaTeX • Microsoft Office • Stata•Photoshop
interests
hockey • cooking • film-editing
british-pop • poker

projects

2d portal game (java, junit, intellij)

- Real-time 2d platform game inspired by Valve's video game, Portal. Use key commands to guide character through intricate maze designs.
- Implemented without a game engine, integrated fundamental composite and observer design patterns for real time game response
- Used JUnit testing to improve robustness and quality of code

jingle audio player (javascript)

- Built a Google Chrome extension that allows user to play musical jingles by engaging with mouse clicks .
- Used Content Script that activates jungle when desired website is visited and a mouse click is registered
- Implemented Popup List to allow users to customize website list and filter music by genre.

busses r us (java, junit, intellij, android studio)

- Android application that maps TransLink buses, stops, and routes with dynamic user location
- Used TransLink API key to track current location of TransLink buses based on route selection

experience

kee wah bakery (hong kong) | studio design intern
may 2018 - june 2018

- Customized catering for private events involving corporate icebreakers, media events and tourist groups
- Managed daily operations and inventory management, acting as a kitchen assistant/teacher during culinary lessons

pacific coffee company (hong kong) | business development intern
jul 2017 – aug 2017

- Developed a cloud-based map that contained every chain store and its-major competitors' location to improve visibility on store site investigations and proposals
- Introduced a new statistics-based criterion that included population, income and transport statistics to ensure a higher success rate for potential store sites

extracurricular activities

ubc launchpad (software engineering team) | vp of strategic growth
sep 2017 - apr 2018

- Revamped club's image and outreach program resulting in a record high of 120 applicants
- Co-created a mentorship initiative that enabled our development teams to collaborate with senior business students to test product viability through market research, financing and beta testing.