

# /\* DANIEL CHAU \*/

## UBC COMPUTER SOFTWARE ENGINEERING

*... takes pride in every step of the process in order to make visually compelling and functional technology*

### Experience

- May 2018 - present     **Feature Software Developer Co-op**  
**Visier, Vancouver BC**
- Responsible for maintaining the visualization platform that produces beautiful yet meaningful charts.
  - Developed a functional and scalable visualization for a new feature, OrgChart, which implements technologies such as Angular2, TypeScript, D3, HTML5, and LESS.
  - Worked alongside teams of 4-10 people in an Agile environment with daily scrums and meeting requirements in bi-weekly sprints.

### Personal Projects

- Feb 2018 - May 2018     **Home Controller**  
**HTML5 / CSS / JS / Flask / Python / SQL / C++ / Verilog**
- Worked in a group of 4 to create a cloud account based gesture recognition system to trigger IFTTT services aimed to life more convenient.
  - Implements features such as facial recognition for login, custom addition / mapping of Unicode gesture to services, and live tracking of actions on a video feed.
- Jan 2018     **Find My Stuff**  
**HTML5 / CSS / JavaScript**
- Worked with a partner to in a hackathon to develop a web app to increase a user's chance of finding a misplaced possession by implementing printable/downloadable QR codes that lead to a webpage with the owner's information.
  - Implemented backend architecture through Google Firebase and front end framework with JavaScript.
- Jan 2018     **Spotify Lyrics Word Analysis**  
**Python / Tableau**
- Developed a script to put a Spotify user's top 50 songs and determine the number of occurrences of each word of each song into an Excel Sheet.
  - Visualized through Tableau in a layered tree map.
- Sep 2017 - Dec 2017     **Livewire IOS Application**  
**Swift / SQL / Python**
- Developed a real-time audio transcription App with a team of 4 colleagues.
  - Supported the app with a MySQL python-based database that was hosted on a Google Cloud Compute Engine and connected to the App through REST API calls.

### Contact

**Talk** - (647) 960 9029  
**Write** - daniel\_chau@live.com  
**Website** - danielchau.com  
**GitHub** - danielchau

### Technical Skills

**Software Literacy**  
C# / C  
HTML5 / CSS / LESS  
D3  
Angular2  
JavaScript / TypeScript  
Java  
Python  
Matlab / R Studio  
Git / Mercurial

### Hardware Literacy

Verilog  
Quartus  
ModelSim  
x86 / ARM Assembly  
DE1-SOC  
Arduino IDE

### Other

Photoshop CS6 / Lightroom

### Academic & Co-op Status

**University of British Columbia**  
Bachelor of Applied Science  
Computer Engineering

6 / 8 academic terms completed  
\*anticipate graduation date: May 2020  
2 / 5 work terms completed  
\* available 4 / 8 months starting Jan 2019

**Lorne Park Secondary School**  
Graduated with honours  
Subject award in Computer Science  
Class of 2015

### Activities and Interests

Photography (@areyoudaniel)  
Hiking / Exploring  
Soccer / Track & Field / Tennis