

/* DANIEL CHAU */

UBC COMPUTER SOFTWARE ENGINEERING

Experience

May 2019 -
Present

Software Engineering Intern

Microsoft, Vancouver BC

- Developed a web application used across all O365 apps using TypeScript, React and a CDN.
- Transitioned the app to comply to accessibility guidelines such as high contrast and narrator friendly.
- Utilized Chrome DevTools and optimized React components to improve time to interactive by 30%.

Jan 2019 -
Apr 2019

Software Engineering Intern

Google, Kirkland WA, USA

- Transitioned a widely used internal application from a MVP to a MDP (minimal delightful product) by leveraging microservice and MVC architecture.
- Wrote design docs for and implemented full stack features such as charting, user preference storage, feedback, and search bar improvements including autocomplete and search tokens (chips).
- Refactored a CLI command to write infrastructure compliance results to a database or standard out.

May 2018 -
Dec 2018

Feature Software Developer Co-op

Visier, Vancouver BC

- Developed a functional and scalable visualization for a new feature, OrgChart, built on Angular2, TypeScript, D3, HTML5, and LESS.
- Designed and developed a flexible D3 charting library used for rendering multiple charts in the application including an interactive timeline and bar charts.

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.
- Implemented 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

- Developed a web app to find lost possessions 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 with JavaScript.

Contact

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Technical Skills

Software Literacy

JavaScript / TypeScript
C# / C++
HTML5 / CSS / LESS
D3
Java
Python
Git / Mercurial
GoLang
React / Redux
Angular2
Soy Templating

Hardware Literacy

Verilog
Quartus
x86 / ARM Assembly
Arduino IDE

Other

Photoshop CS6 / Lightroom

Academic & Co-op Status

University of British Columbia

Bachelor of Applied Science
Computer Engineering
*Deans Honour List

6 / 8 academic terms completed
*anticipate graduation date: May 2020

Lorne Park Secondary School

Graduated with honours
Subject award in Computer Science
Class of 2015

Activities and Interests

Photography (@areyoudaniel)
Hiking / Exploring
Soccer / Golf / Tennis