DANIEL CHAU

SOFTWARE ENGINEER

Experience

July 2020 - Present

Software Engineer 2
Microsoft, Vancouver BC, Canada
- Pioneered a web based ReactJS Image Editor application integrated into OneDrive Web, Surface Duo, Microsoft Edge and Microsoft Photos targeting millions of users.
- Developed key full-stack features and improved stability for the new Microsoft Photos on Windows 11 such as OneDrive/iCloud integration.

May 2019 - Sep 2019

Software Engineering Intern
Microsoft, Vancouver BC, Canada
- Developed a web application used across all O365 apps using TypeScript, React and a CDN.
- Transitioned the app to be Mac compatible, viewable in dark mode on all platforms, and to be compliant to accessibility guidelines.
- 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, Canada
- 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

Sep 2019 - May 2020

Athlete's Aid
TypeScript / React / DynamoDB / AWS / NodeJS
- Developed a web application used by UBC Athletics to track the injuries and rehabilitation of all their varsity athletes.
- Led a team of 5 on the design and development of all frontend and full-stack features.

Contact

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- danielchau.com
- danielchau

Technical Skills

Software Literacy
JavaScript / TypeScript
React / Redux
BabylonJS / WebGL
C# / C++
XAML Templating
WinRT/UWP/WinUI
HTML5 / CSS / LESS
D3
Python
Git / Mercurial
GoLang
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

Activities and Interests

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