

Michael Kim

3B Computer Science at University of Waterloo

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Skills

- Languages: JavaScript (ES10, TypeScript, Flow), C / C++, Python, HTML / CSS (Sass)
- Tools: Node.js, React (+ Native), Redux, GraphQL, Relay, jQuery, MongoDB, Arcanist

Work Experience

Citadel — Software Engineering Intern — Chicago, IL Jan 2020 - Present

- Integrating NLP with internal search tool to improve search results
- **Technologies:** TypeScript, React, Redux (Saga)

Wish — Full Stack Engineering Intern — San Francisco, CA May 2019 - Aug 2019

- Implemented tools for admins to monitor merchant payment holds, such as generating reports
- Designed and rewrote pages on the Merchant Dashboard to improve usability and maintainability
- **Technologies:** Python, MongoDB, Backbone.js, React, MobX, Flow

Facebook — Front End Engineering Intern — Menlo Park, CA Sept 2018 - Dec 2018

- Refactored launch page from scratch into an SPA with designs based on developer feedback
- Added GraphQL endpoints to provide Relay front-end with similar data as old launch page
- **Technologies:** React, GraphQL, Relay, Redux, Flow, Hack

Facebook — Front End Engineering Intern — Menlo Park, CA Jan 2018 - Apr 2018

- Added editor functionality that allows users to zoom and crop photos in their personalized videos
- Implemented view rasterization to show editor live preview as share thumbnail
- **Technologies:** React, React Native, Redux, Flow, Hack

Projects

Lyra — 📁 /lyra & 📁 /neutrino Jun 2019

A cross-platform music player app, written using a custom clone of Electron

- **Technologies:** C++ (WinRT, Cocoa, GTK), React, Redux, Express, Webpack, Flow

15 Puzzle — 📁 /15puzzle & 📁 /15puzzle.js (puzzle.michael.kim) Jan 2018

An efficient C++ solver for the generalized 15-Puzzle, ported to WebAssembly

- **Technologies:** C++, WebAssembly, JavaScript, Emscripten

MercuryWM — 📁 wheel-org/mercurywm (🌈 Chrome Web Store) Aug 2017

A Chrome extension that transforms the new tab page into a multi-windowed terminal environment

- **Technologies:** React, Redux, Webpack, Flow, CircleCI, Chrome Extension

Hestia.io — 📁 hestia.io & 📁 hestia.io-client Feb 2017

A web app framework that manages instances of multi-user real-time web apps

- **Technologies:** Node.js, Socket.io, Flow, Babel, Jest

Education

University of Waterloo — Candidate for Bachelor of Computer Science, Co-op 2016 - 2021

Interests

- Hobbies include rhythm games, transcribing music, solving Rubik's Cubes
- Interested in machine learning, UI/UX design, game development