

# Michael Kim

3A Computer Science at University of Waterloo

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## Skills

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- Languages: **JavaScript (ES8), C / C++, HTML / CSS (Sass)**
- Tools: **Node.js, React (+ Native), Redux, GraphQL, Flow, Relay, jQuery, Git, Bash, Firebase, Heroku**

## Work Experience

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

- Implemented launch page from a single form to a SPA with designs based on developer feedback
- Refactored existing React components by moving to Redux state
- Added GraphQL endpoints to provide Relay front-end with similar data as old launch page
- **Technologies: React, GraphQL, Relay, Redux, Flow, Node.js, Hack**

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

- Created friend picker for users to select friends to make a Friends Day video
- Added editor functionality that allows users to zoom and crop photos in their videos
- Implemented view rasterization to show editor live preview as share thumbnail
- **Technologies: React, React Native, Redux, Flow, Node.js, Hack**

**Yahoo!** — Software Engineering Intern — Sunnyvale, CA May 2017 - Aug 2017

- Created new mail module that displays important emails for users on Yahoo homepage
- Added opt-out survey when switching to old Mail version to collect user feedback
- **Technologies: React, Redux, Node.js, Mocha, Jest, Protractor, Jira**

## Projects

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**15 Puzzle** — 📄 /15puzzle & 📄 /15puzzle.js (puzzle.michaelkim.me) Jan 2018 - Nov 2018

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

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

**Runes Profiler** — 📄 /runes-profiler (runes-profiler.michaelkim.me) Dec 2017 - Sept 2018

A web app that compares rune usage of League of Legends players

- **Technologies: React, Node.js, Express, Webpack, Firebase, Heroku**

**MercuryWM** — 📄 wheel-org/mercurywm (🌈 Chrome Web Store) Aug 2017 - Present

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

- **Technologies: React, Redux, Webpack, Flow, Travis CI, Chrome Extension**

**Hestia.io** — 📄 hestia.io & 📄 hestia.io-client Feb 2017 - Present

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

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

## Education

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

## Interests

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- Hobbies include rhythm games, composing music, solving Rubik's Cubes
- Interested in machine learning, compiler construction, game development