

Michael Kim

3A Computer Science at University of Waterloo

 michael.kim
 LenKagamine
 michaelkim314
 michaelkim314@gmail.com
 Avadonia314

Skills

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

Work Experience

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

- Implemented tools for admins to monitor merchant payment holds, such as generating reports
- Designing and rewriting 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

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

- Created new mail module that displays important emails for users on Yahoo homepage
- **Technologies:** React, Redux, Mocha, Jest, Protractor, Jira

Projects

Lyra —  /lyra &  /neutrino Jun 2019

A cross-platform music player app, written using a custom port 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 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