

# Daniel Prilik

## Software Developer

### CONTACT

✉ daniel@prilik.com  
🌐 prilik.com  
☎ 647-787-4557  
🔑 daniel5151

### SKILLS

#### DEVELOPMENT

HTML5  
CSS + Sass  
JavaScript (ES6)  
C / C++  
React  
Redux  
React Native  
Typescript  
node.js  
Rust

#### TOOLS

Linux  
Git  
Webpack  
Sublime Text  
Adobe Photoshop

### EDUCATION

University of Waterloo  
BSE Software Engineering 2020

### INTERESTS

Webassembly and Emscripten  
*Redefining what is possible in a Web Browser*

Exploring Music  
*Always finding new Indie Rock, Synthwave, and Electro-swing*

Video Gaming  
*Counter Strike: Global Offensive, Civilization, and Fallout*

Memes

Guitar

### EMPLOYMENT

#### LCBO|next

Full Stack Web Developer - *React, React Native, node.js, Mapbox, Sass*

Kitchener, ON  
Winter 2017

- Lead Development and Design of a React SPA to locate products on virtual maps of LCBO locations - now being Beta tested at multiple stores around Ontario
- Architected RESTful APIs, and aided in the development of associated node.js backends
- Implemented sales-data visualizations in React and React-Native using SVG and Victory charts

#### Polar.me

Front End Web Developer - *HTML5, Sass, JS, node.js*

Toronto, ON  
Summer 2016

- Designed and Implemented Native Advertisements for clients such as Engadget, Wired, and AOL
- Engineered and Deployed a build system to streamline and automate Native Ad development, resulting in significant boosts to developer throughput
- Developed a Slack Bot to interface with a nascent project-management platform with a limited API

#### TapMango

Summer Intern - *HTML5, CSS, JS*

North York, ON  
Summer 2015

- Utilized Phonegap to prototype customer facing mobile app for a rewards platform
- Prototype was later developed into a full app, available on the Google Play store

### PROJECTS

#### 1212! - 1212.rocks

- Designed and Developed a novel puzzle game for desktop and mobile
- Leveraged JavaScript, HTML5, and CSS to craft a responsive, intuitive, and user friendly web-game
- Gained a strong understanding of responsive design principles
- Acquired a player-base of over 3,000 people, with 20,000+ page-views a month

#### nfinite.space - devpost.com/software/nfinite-space

- Imagined a cloud file-storage service that could store files without the need for a data-center
- Implemented a protocol to leverage space from connected users to store parts of other users' files
- Developed a proof-of-concept at Hack the North 2016 with a Golang backend, and a React frontend
- Winner of the AWS Sponsor Prize

#### mips241 - prilik.com/mips241

- Architected and Implemented an emulator for the MIPS system used in CS 241 at Waterloo
- Features a interactive debugger with step-by-step execution, breakpoints, and instruction disassembly
- Explored compiling C++ to JS using *emscripten* to create a Web interface for the emulator

#### Personal Website - prilik.com

- User-interactivity is achieved using purely CSS3 animations
- Employed principles of responsive design to maintain optimal readability and user accessibility across both Desktop and Mobile platforms
- Showcases many other personal projects developed over the years

### AWARDS

#### Winner of the Amazon Web Services (AWS) Sponsor Prize

2017 and 2016

Hack the North 2016 and QHacks 2017

For work on *nfinite.space* and *fastify* [github.com/Melinysh/fastify] respectively

#### Regional 2nd Place

2015

Shalhevet Freyer International Physics SAFE Tournament

- Gained a understanding of Arduino programming principles and physical hardware development
- Organized a team to construct a challenging puzzle safe from the ground up
- Designed, Programmed, and Implemented the electronics that controlled various puzzles

#### School Champion

2015

Canadian Computing Competition (CCC)