Daniel **Prilik**

Software Developer

CONTACT

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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   Kitchener, ON
Full Stack Web Developer - *React, React Native, node.js, Mapbox, Sass*   *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   Toronto, ON
Front End Web Developer - *HTML5, Sass, JS, node.js*   *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   North York, ON
Summer Intern - *HTML5, CSS, JS*   *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)