

Daniel Prilik

Software Developer

CONTACT

✉ daniel@prilik.ca
🌐 prilik.ca
☎ 647-787-4557
📞 daniel5151

SKILLS

DEVELOPMENT

HTML5

CSS

JavaScript

Python

C

C++

Arduino

TOOLS

Git

Sublime Text

Adobe Photoshop

Adobe Premiere

EDUCATION

University of
Waterloo

BSE Software Engineering 2020

INTERESTS

Genetic Algorithms

JS/Web Tech Demos

Drama and Acting

Video Gaming

Memes

Guitar

PROJECTS

1212! - 1212.rocks

- Designed a novel puzzle game for desktop and mobile
- Leveraged JavaScript, HTML5, and CSS to create a responsive, intuitive, and user friendly web-game
- Gained a strong understanding of responsive design principles
- Played by over 2500 people each month

Hex Grid Map Generator - prilik.ca/dicesiege

- Developed a custom map generation algorithm for a work-in-progress turn-based strategy web-game
- Implemented seeded terrain generation, scalable map sizes, and varied complexity options in JavaScript
- Utilized the CreateJS API for rendering and user interaction

3D and 2D Music Analyzers - prilik.ca/mp3

- Explored the WebAudio, Three.js, and HTML5-canvas APIs to create both WebGL and HTML5-canvas based music visualizers

Personal Website - prilik.ca

- User-interactivity was achieved using purely CSS3 animations
- Employed principles of responsive design to maintain optimal readability and user accessibility across both Desktop and Mobile
- Contains a list of all other personal projects developed over the years

EMPLOYMENT

MTZ Equipment

Thornhill, ON

Junior Developer - Python

Jun 2015 to Sep 2015

- Automated invoice processing by developing a Python based interface to a legacy database system
- Reverse Engineered proprietary label printing software in order to create a more user friendly, Python based interface to quickly edit, generate, and print shipping labels

AWARDS

Regional 2nd Place

2015

Shalhevet Freyer International Physics SAFE Tournament

- Gained thorough understanding of Arduino programming principles and physical hardware development
- Organized a team to build a puzzle safe from the ground up
- Designed, programmed, and implemented the electronics that controlled the safe's various puzzles

School Champion

2014

Canadian Computing Competition (CCC)

Winner of Presentations

2013

Med YSP at UofT

- Researched and presented a talk about the Human Genome Project and Bioinformatics in front of an audience of over 150 people, given only a week to prepare