

# Ross L. Hill

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## EDUCATION

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Queen's University  
Honours Bachelor of Computing in Software Design (B.Cmp.H.)

Kingston, ON  
Exp. April 2020

## SOFTWARE PROJECTS

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### Mandelbrot Set Visualizer (Python 3 / Pillow / Tkinter)

2016

- ◆ An object oriented interactive Mandelbrot set, made with Python 3, and the PIL and Tkinter modules.
- ◆ <https://github.com/rosslh/Interactive-Python-Mandelbrot>

### HidePass - Firefox Webextension (Javascript)

2016

- ◆ A security extension for Firefox which hides the asterisks normally shown when entering a password, so that the length of one's password cannot be determined.
- ◆ <https://github.com/rosslh/hidepass>

### Justlink.co - Smart URL Shortener (Python / Django / PostgreSQL)

2015

- ◆ Written in Python using the Django framework, you simply need to type "justlink.co/your-description-here".
- ◆ Justlink.co takes your description and queries a search engine for its first result. It then redirects you to that result.
- ◆ <https://github.com/rosslh/justlink.co>

## WORK EXPERIENCE

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### Walkhome Service Staff

September 2016 – Present

### Alma Mater Society

Queen's University, Kingston, ON

- ◆ Walkhome is a Queen's student-run service that provides safe walks to students on and near campus.
- ◆ As a service staff member, I was expected to make good conversation while ensuring the comfort of my patrons.

### Ski Racing Coach / Ski Instructor

Winters, 2013 – 2016

### Caledon Ski Club

Caledon, ON

- ◆ In Alpine Development, I taught children how to ski, from their first time on skis to racing competitively.
- ◆ I gained experience in leading medium-size groups and working in a team with other employees.

### Counseling Staff

Summers, 2014 – 2016

### Camp Hurontario

Georgian Bay, ON

- ◆ Over the summers of 2014 to 2016, I was as a counselor at this canoe tripping camp on the Georgian Bay.
- ◆ In this position I worked with many different age groups from six to fourteen years old, and gained experience in working with people of different ability levels and interests.

## TECHNICAL SKILLS

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**Programming Languages:** Python, Java, Javascript, SQL, C++, Arduino

**Office:** Word, Excel, Powerpoint

**Web Dev:** HTML5, CSS3, SASS, Javascript, JQuery, Bootstrap, Django, Google Webmaster

**Databases:** MySQL, PostgreSQL, MongoDB

**DevOps:** Git, Github, Linux