

# Ryan Kim

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## SKILLS

### LANGUAGES

Proficient:

**Python • Java • HTML • CSS • SQL**

Familiar:

**C • Swift • JavaScript • Racket**

### TRANSFERABLE

Excellent at Problem Solving

Able to Adapt and Adjust Quickly

Cooperative and Efficient in a Team

Punctual and Always on Time

## TECHNOLOGIES

**PyCharm • IntelliJIDEA**

**Sublime Text 3 • GitHub**

**Bootstrap 3 • Notepad++**

**Windows • Ubuntu • OS X**

## EDUCATION

### UNIVERSITY OF WATERLOO

BACHELOR OF COMPUTER SCIENCE

Jan 2016 – ongoing | Waterloo, Ontario

Cumulative GPA 3.96 / 4.0 - 91.0%

Faculty GPA 3.97 / 4.0 - 91.7%

### UNIVERSITY OF CALGARY

BACHELOR OF SCIENCE IN ENGINEERING

Sept 2015 – Dec 2015 | Calgary, Alberta

Cumulative GPA 4.0 / 4.0

### ST. FRANCIS HIGH SCHOOL

AP • HONOURS WITH DISTINCTION

Sept 2012 – July 2015 | Calgary, Alberta

Graduating Average of 97%

## ABOUT ME

Open to New Ideas and Concepts

Hard Working and Dedicated

Aptitude for Learning New Things

Self Guided | Self Motivated

Passionate Snowboarder

Love for Music | Photography

Fluent in English and Korean

## PROJECTS

### PYMFILE | MUSIC ORGANIZER

[github.com/ryanfsdf/pymfile](https://github.com/ryanfsdf/pymfile)

- Program written in **Python** to organize and rename audio files by metadata
- Capable of working with collections of over **10000 files** and **50GB** of data
- Makes use of the open source **Mutagen** module to extract audio metadata
- Takes advantage of **Regular Expressions** to standardize the file names

### JAVRULER | SCALING RULER

[github.com/ryanfsdf/javruler](https://github.com/ryanfsdf/javruler)

- Program written in **Java** to measure relative distances between points on a screen by calculating the difference in selected coordinates
- **Used by several Civil Engineers** at **SNC-Lavalin** for approximating distances on structure design blueprints
- **Significantly increased workplace efficiency** by eliminating the need for printing out each blueprint to measure out distances by hand with a ruler

### JAVA REPLAY | MOUSE MACRO

[github.com/ryanfsdf/javareplay](https://github.com/ryanfsdf/javareplay)

- Mouse recording program written in **Java** that plays back any recorded mouse movements at an adjustable speed
- Incorporates the **JNativeHook** external library for global event capturing
- Features **importing** and **exporting** mouse movements

### TERRIBLE ALARM | ALARM CLOCK

[github.com/ryanfsdf/terriblealarm](https://github.com/ryanfsdf/terriblealarm)

- Alarm Clock written in **Python** for **Terrible Hacks Hackathon 2016** designed to force people to wake up at a desired time by manipulating system files

### PERSONAL WEBSITE | WEBSITE

[github.com/ryanfsdf/ryan-kim.com](https://github.com/ryanfsdf/ryan-kim.com)

- Responsive and informative website built utilizing **Bootstrap 3**, **hover.css**, **crossfade.js**, **Google Analytics API**, and other elements from **JavaScript/PHP**

## EXPERIENCE

### CANADA OLYMPIC PARK | JUNIOR SKI PATROL

Feb 2013 – Jan 2015 | Calgary, Alberta

- Worked as a team in **high stress** and **fast-paced** environments
- Optimized **creativity** to bring injured skiers and snowboarders to safety
- Used knowledge of First-Aid to assist over 100 people in need

### DAIRY QUEEN | CASHIER

June 2012 – Sept 2015 | Calgary, Alberta

- Communicated clearly with staff to work fast and efficiently
- Demonstrated punctuality with **no late or missed shifts** in 3 years of work

## AWARDS

**Dean's Entrance Scholarship** – U of Calgary - \$8000 awarded to just 30 of over 1000 undergraduate engineering students for high academic performance

**President's Scholarship of Distinction** – U of Waterloo - \$5000\* awarded to first year students with an exceptional entrance average