

Ryan Kim

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SKILLS

PROGRAMMING

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

Faculty GPA 3.97 / 4.0

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

Highly Dedicated and Ambitious

Aptitude for Learning New Things

Self Guided | Self Motivated

Passionate Snowboarder

Love for Music | Photography

Fluent in English and Korean

PROJECTS

PYMFIL | MUSIC ORGANIZER

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 **Mutagen 1.3.1** to extract audio metadata
- Takes advantage of **Regular Expressions** to standardize the file names

JAVRULER | SCALING RULER

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 a Civil Engineer** at **SNC-Lavalin** for approximating distances on structure design blueprints
- **Significantly increased efficiency** by eliminating the need for printing out each blueprint to measure distances by hand with a ruler

JAVA REPLAY | MOUSE MACRO

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

STEPHNA RESIDENCE | WEBSITE

github.com/ryanfsdf/stephnareidence

- Website idea for StephNa Residence tourism company utilizing **Bootstrap 3**
- Includes **Google Maps API**, as well as elements from **JavaScript**

TERRIBLE ALARM | ALARM CLOCK

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

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 to safety
- Used knowledge of First-Aid to assist over 100 people in need

DAIRY QUEEN | CASHIER

June 2012 – Sept 2015 | Calgary, Alberta

- Communicated with staff to work fast and efficiently
- **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 entering average of over 95%