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

UNIVERITY 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

PYMFILE | MUSIC ORGANIZER github.com/ryanfsdf/pymfile

- Program written in **Python** to organize a collection of unnamed audio files by their 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 several Civil Engineers** at **SNC-Lavalin** for approximating distances on structure design blueprints

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/stephnaresidence

- 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%