Ryan **Kim**

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SKILLS

LANGUAGES
Proficient:
Python • Java • HTML • CSS • SQL
Familiar:
C • Swift • JavaScript • Racket

TECHNOLOGIES
Git・Bootstrap 3・jQuery

TOOLS
PyCharm・IntelliJIDEA・Xcode
Sublime Text 3・NotePad++
Terminal・Gimp

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

AWARDS

Dean's Entrance Scholarship
UNIVERSITY OF CALGARY
Awarded to just 30 of over 1000
undergraduate engineering students
for high academic performance

President's Scholarship of Distinction
UNIVERSITY OF WATERLOO
Awarded to first year students with an
exceptionally high entrance average

INTERESTS

Avid Traveler and Hiker
Android/iOS Enthusiast
Passionate Snowboarder
Love for Music | Photography

PROJECTS

PIXELRULER | VIRTUAL RULER
github.com/ryanfsdf/pixelruler
- Developed in **Java** to measure relative distances between points on a screen by calculating the difference in selected coordinates
- **Currently used by Civil Engineers** at **SNC-Lavalin** for approximating distances on structure design blueprints
- **Significantly increased workplace efficiency** by eliminating the need for printing each blueprint to measure out distances manually with a ruler

NEATBEATS | MUSIC ORGANIZER
github.com/ryanfsdf/neatbeats
- Created in **Python** to organize and rename audio files by metadata
- Capable of working with libraries of over **10000 files** and **50GB** of data
- Used the **Mutagen module API** to extract audio metadata
- Implemented **Regular Expressions** to standardize file names

AUTOMOUSE | MOUSE RECORDER
github.com/ryanfsdf/automouse
- Designed in **Java** to record and play back mouse movements at an adjustable speed
- Incorporated the **JNativeHook external library** in order to leverage platform dependent native code for global mouse event capturing
- Features **importing** and **exporting** mouse activities to save the recordings and play them back at a later time

DONTSNOOZE | ALARM CLOCK
github.com/ryanfsdf/dontsnooze
- Written in **Python** to be submitted for **Terrible Hacks Hackathon 2016**
- Devised to force people to wake up at a desired time by manipulating system files

RYAN-KIM.COM | PERSONAL WEBSITE
github.com/ryanfsdf/ryan-kim.com
- Responsive and informative website built utilizing **Bootstrap 3**, **hover.css**, **crossfade.js**, **jQuery**, **Google Analytics API**, and other elements from **JavaScript/PHP**

EXPERIENCE

CANADA OLYMPIC PARK | JUNIOR SKI PATROL
Feb 2013 – Jan 2015 | Calgary, Alberta
- Worked in a team responding to high stress and fast-paced situations
- Introduced **creative approaches** to the team in order 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 reduce wait-times to just 3 minutes
- Demonstrated punctuality with **no late or missed shifts** in 3 years