Paul Minkang Suk

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Education and Skills

Bachelor of Applied Science – Engineering Science *Expected graduation: 2018*

University of Toronto | **Cumulative GPA**: 3.87 | *Dean's Honours List*

Received an A (4.0) in:

- Calculus I
- Calculus II
- Introduction to Computer Programming
- Computer Algorithms & Data Structures

Languages: *Native/Bilingual Fluency in English and Korean*

Programming experience with Python, C, Verilog

Self-Learnt Skills: HTML, CSS, JavaScript, Java

Work Experience

Director of Operations

You're Next Career Network *March 2015 - Present*

- Planned and facilitated various "student development" workshops and events to help students take control of their own career. Events served over 5600 students, connecting them to more than 150 companies
- Designed and implemented an initiative to increase awareness with first year students by coordinating with curriculum leaders of first year courses

Research Intern

University of Toronto Institute for Aerospace Studies *May 2015 – August 2015*

- Supported the work of researchers at the vehicle simulation lab in the development of representative stall models of T-tailed regional jets for upset prevention and recovery training
- Developed a GUI to display and group data from the flight simulator in a more accessible manner
- Analyzed and organized wind tunnel data and compared it to the results from the model

Engineering Projects

Bot-Rampage – Game AI *October 2015*

- Designed an AI to navigate a 2-D map against an opponent in Python
- Utilized a modified breadth first search algorithm to identify the safest spots to maneuver towards, and then fire at opposing AIs
- Ranked 49th out of over 200 participating teams at the Orbis Challenge 2015

Piezo Impact Sensor Helmet *March 2013*

- Collaborated with and led a group of four high school students to design a device that utilizes the piezoelectric effect to reduce concussions in contact sports such as ice hockey
- Constructed a working prototype of the helmet design, utilizing piezoelectric crystals and an Arduino to estimate force and relay information via Bluetooth
- Developed a basic android app to receive and display this data

Awards

- Received over $14 000 in scholarships including the Jane Elizabeth Ham Memorial Award (Alternatively can put University of Toronto Scholars award)
- Highest Individual Score at the Canadian Team Math Competition in 2014; 100+ participants