





Alireza Nickooie

Computer Engineering Student

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Education

09/2015-05/2019

Toronto, Canada

BASc. Computer Engineering (cGPA 4.0/4.0)

University of Toronto

- Rank 4th out of 119 students with an average of 91.4%

Projects

06/2015

Dungeon Crawler | Java, OpenGL

- Developed a 2D Dungeon Crawler game, using Java with OpenGL API and LWJGL.
- Integrated a procedural level generation system and a level editor to create an endless game.

07/2016

Arduino Escape Room | Java, OpenGL, Arduino

- Developed a 2D puzzle game controlled through an Arduino and its sensors, requires manipulation of light, temperature, and other elements to progress.

Work & Leadership

05/2016-09/2016

Toronto, Canada

Java Programming Instructor

Kids Great Minds

- Taught Java programming to classes of 20+ students with a 100% student satisfaction rating.
- Developed and taught 10 new minecraft mods, making java concepts more appealing to a 10-17 year old audience.
- Pioneered new raspberry pi robotics course including 10 lessons, to be implemented this fall.

03/2016-Current

Toronto, Canada

Director of Operations

You're Next Career Network

- Organizing Canada's Largest Startup Career Expo with a projected 80+ startups, and 3000+ students attending.
- Founded the Entrepreneurship Week case competition connecting mentors from MaRS, TribalScale, and 6 other companies to 120+ students.

09/2015-05/2016

Toronto, Canada

Mechanical Designer

Mechatronics Design Association

- Designed an autonomous submarine with a team of 40 engineering students that will compete at the international RoboSub competition at San Francisco.
- Researched and developed a new thruster layout allowing the submarine to have 6 degrees of freedom, 2x improvement from last years model.
- Developed a semi modular hull and frame system that keeps circuits waterproof at a depth of 38+ ft.

Courses

Completed:

- Electrical Fundamentals (92%)
- C Programming (90%)
- Calculus (96%)
- Mechanics (98%)

Current Year:

- Digital Systems (Verilog)
- Programming Fundamentals (C++)
- Signals and Systems
- Computer Organization

Skills

Programming:

- Java
- Verilog
- C++
- C
- HTML
- CSS
- JavaScript

Applications:

- Altera Quartus II & ModelSim
- Eclipse
- Netbeans
- MatLab

Achievements

Rank 4th in Class (2015-2016)

Ranked 4th out of 119 students in first year of engineering.

Presidents Scholarship (\$2,000)

Awarded based on superior highschool performance.

Top 13% Score on SIN Contest

Among the 13% of competitors of the annual Sir Isaac Newton Contest.

Interests

- Yearbook layout artist (2014-2015) and photographer (2016-current)
- No breaks, high stakes, rollerblader
- Computer builder and tinker