

Emmanuel Freddy

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HIGHLIGHTS OF QUALIFICATIONS

- Experience programming in C/C++, Python, Assembly and Lua
- Experience programming microcontrollers and FPGA boards
- Experience with digital logic design using Cadence and VHDL

EDUCATION

Bachelor of Science, Electrical Engineering

(September 2013 – April 2017)

University of Alberta, Edmonton, AB, Canada.

Key Electives:

- Advanced Logic Design (ECE 410)
- Embedded Systems Design (ECE 312)

COMPUTER & PROGRAMMING EXPERIENCE

- Experience programming various projects on microcontrollers and FPGA boards
- Experience designing circuits and models on Cadence, KiCad, Simulink and LTSpice
- Extensive experience programming in C/C++, Python, Assembly, and MatLab
- Created mobile games using Corona SDK and Lua
- Familiarity with JavaScript, HTML, CSS and SQL
- Proficient with Microsoft Office: Word, Excel, PowerPoint.

STUDENT LEADERSHIP EXPERIENCE

Associate Vice President – Industry Relations

(March 2015 – March 2016)

Engineering Students Society at the University of Alberta

- Worked with a 7 member executive team responsible for delivering services and events to 4,400+ students
- Organized one of the largest student run Career Fairs in Canada with 60+ companies in attendance to network with 4400+ Undergraduate and 1600+ Graduate engineering students while generating a profit greater than \$40,000.
- Strengthened and developed new networks with companies, estimated and budgeted expenses, led a team of 40+ volunteers, marketed the event to companies across Canada, and prepared a suitable venue for the Career Fair.

Vice President – Social and Event Organization
Indian Students Association at the University of Alberta

(March 2015 – March 2016)

- Crucial member of an 8 member executive team responsible for facilitating a smooth transition for International students to the Canadian environment while strengthening the multi-cultural presence on campus
- Organized social and cultural events with 350+ participants, established communication channels with sponsors such as ATB-Financial and various restaurants in Edmonton
- Led a team of 7+ people in organizing events under high pressure while trouble shooting.

RESEARCH EXPERIENCE

Undergraduate Research Assistant
Electrical Engineering Faculty at the University of Alberta

(September 2016 – December 2016)

- Worked on isolating single nanowires using Dielectrophoresis; responsible for optimizing conditions for this experiment
- Synthesized nanowires and nanotubes, created discretized solutions and assisted senior members of the research team with their projects

EDUCATIONAL ACHEIVEMENTS

- University of Alberta Academic Excellence Scholarship
- Faculty of Engineering Academic Excellence Scholarship
- University of Alberta India Centenary Scholarship
- University of Alberta India First Year Excellence Scholarship
- International Merit Scholarship
- International Student Scholarship

OTHER INFORMATION

- Experience with Arduino IDE and Atmel studio
- Hobbies include basketball, badminton and table tennis
- Willing to travel and/or relocate
- Available immediately

REFERENCES AVAILABLE UPON REQUEST