

Seyed-Ali Nouri

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EDUCATION:

Bachelor of Engineering in Electrical Engineering, Co-op **September 2013-Present**

Carleton University, Ottawa, Ontario

2nd year standing, 10.7/12 CGPA, A-

Awards and scholarships:

- Henry Marshall Tory scholarship
- Faculty of Engineering Scholarship
- President's Scholarship
- Dean's Honour List

Expected graduation date: April 2018

AVAILABILITY:

Available for 8 Months starting May 2015

SKILLS & EXPERIENCES

Technical Skills

- Proficient in C, C++, HTML, CSS
- Experienced with MATLAB, HSPICE and Avanwaves
- Adept at using MS Word, Excel, PowerPoint, and Outlook as tools to complete and present professional grade documents
- Proficient in writing documents with LaTeX.
- Extensive understanding of Windows
- Working knowledge of Linux
- Skillful at using AutoCAD and Revit to complete project within the frameworks of project specifications

Communication Skills

- Communicated and worked efficiently as a team on a patent improvement project
- Clearly presented a technical presentation for a patent proposal
- Successfully written a technical report for a patent proposal
- Skillfully written an instruction manual for completing circuit simulations
- Creatively utilized AutoCAD and Revit to generate 3D renders of proposed ideas and floor plans.
- Facilitated intergroup and intragroup communications using cloud storage solutions such as OneDrive and Dropbox.
- Fluent in English and French (DELF certified)

Leadership Skills

- Led and organized group meetings for a patent improvement project
- Successfully allocated responsibilities to group member to complete a technical report on time and with the highest quality
- Organizing member of an intramural soccer team
- Effectively helped maximize sales and minimize loss as part of a garden center team at a major retailer

WORK EXPERIENCE

Research Assistant: Co-op

June 2014 - Aug. 2014

Carleton University, Ottawa, Ontario

- Developed a circuit simulation program using MATLAB and modified nodal analysis in order to create a tool to simplify the analysis of any complex circuit
- Generated simulations in both HSPICE and the developed MATLAB program to compare the effectiveness of my program
- Created a C++ program to extract and format the results obtained using HSPICE for future data importing into MATLAB
- Imported results into MATLAB from the HSPICE simulations using the developed C++ program and HSPICE Toolbox in order to compare the accuracy of the different simulations and data extraction methods
- Compiled an instruction manual using LaTeX to help future students complete similar simulations using the developed tools

Backroom Staff

Sept. 2013 - Oct. 2013

Walmart Canada, Ottawa, Ontario

- Distributed freight to the appropriate departments on a strict schedule to ensure store efficiency and effective product distribution

Customer Service specialist

April 2013 - Sept. 2013

Walmart Canada, Ottawa, Ontario

- Listened and Answered customer questions accurately to ensure customer satisfaction
- Delegated tasks to better distribute work among team members to ensure customer satisfaction, and employee safety

APPLIED PROJECTS

Patent Improvement Project

June 2014 - Sept. 2014

- Reimagined the current street lighting system by implementing tricoloured LEDs into road curbs
- Engineered an energy efficient system that provided drivers with information such as road conditions and hazards
- Presented the proposed idea using a professional technical presentation and a technical report

Reverse Engineering Project

Sept. 2013 - Dec. 2013

- Redesigned an existing object to improve its functionality
- Created physical models using 3D software and printers.

EXTRA-CURRICULAR ACTIVITIES

- Member of IEEE and IEEE Solid State Circuits
- Volunteering 3 times a week at the Carleton IEEE office
- Helping peers by volunteer for the Carleton Engineering Mentorship Program
- Playing the Piano
- Organizing member and player of a soccer team