Seyed-Ali Nouri

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Please note: Samples of the work mentioned are available on my website (www.alinouri.link)

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
- President's Scholarship
- Faculty of Engineering Scholarship
- Dean's Honour List

Expected graduation date: April 2018

AVAILABILITY:

Available for up to 12 weeks starting May 2015

SKILLS & EXPERIENCES

Technical Skills

- Proficient in C, C++
- Experienced with MATLAB, HSPICE and AvanWaves
- Creative at using HTML, CSS, and JavaScript to develop websites
- Adept at using MS Word, Excel and, PowerPoint 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 projects within a framework of 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

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 complex circuits
- 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

Customer Service Specialist **April 2013 - Oct. 2013**
Walmart Canada, Ottawa, Ontario

- Listened and Answered costumer questions accurately to ensured 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
- Developed an energy efficient system using basic engineering principles that provided drivers with information such as road conditions and hazards
- Presented the proposed LED lighting system using a professional technical presentation and a technical report

Reverse Engineering Project **Sept. 2013 - Dec. 2013**

- Redesigned a door handle to improve its functionality
- Created a prototype using AutoCAD and 3D printers to simplify the visualization of the proposed design

Building Design Project **Sept. 2012- Jan. 2013**

- Designed and created a 3D model of a multipurpose building using Revit to potentially replace the aging Canadian Museum of Science

3D CAD Design **Sept. 2012- Jan. 2013**

- Modeled an airplane seat in AutoCAD to assist my team in recreating an airplane fuselage

EXTRA-CURRICULAR ACTIVITIES

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