Laura Machado

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EDUCATION

September 2014 -
April 2019

Bachelor of Engineering (Software)
Carleton University, Ottawa, Ontario
- Received admission scholarship for excellent academic standing
- Current GPA: A (11.2/12)
- Availability: January-April 2016

TECHNICAL SKILLS

- Preformed advanced functions in Microsoft programs such as Word, Excel, Powerpoint, Outlook
- Developed interactive programs using C, C++ and Java
- Designed web applications using HTML, CSS, JavaScript and AngularJS
- Designed and implemented small-scale programs using object-oriented software Java
- Developed programs using low-level assembly programming

COMMUNICATION SKILLS

- Advanced English & Intermediate French
- Prepared and presented several oral presentations regarding engineering topics to a non-technical audience
- Advanced report writing and technical writing skills for a non-technical reader
- Demonstrated superior communications skills in dealing with co-workers and customers
- Effectively interacted with the public as a volunteer for City of Ottawa events
- Ability to write emails to clients and group members
- Effectively interacted in a team environment using written and communication skills
- Submitted an application and received a grant for after-school programs

PROJECTS

Web Applications Developer
Foreigner

- Developed a currency conversion calculator and exchange rate provider.
- Used a Bootstrap template and an exchange rate API.
- **Available:** http://lauramachado21.github.io/foreigner

Website Designer
Personal Website

- Developed a personal website to highlight skills and experience.
- Designed all CSS styling classes and HTML templates.
- Used Bootstrap to help maintain scalability on all medias.

Team Lead
Material Integrity Proposal for Enclosed Electric Bike
- Worked in a team environment to analyze various metal and plastic materials in order to determine the most suitable material for an enclosed electric bike
- Compiled team findings and developed a written report of well suited materials for a non-technical client
- Orally presented findings to client and a non-technical audience

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WORK EXPERIENCE

Innovation, Science and Economic Development Canada
Applications Developer (May-August 2016)
- Developed, debugged and tested applications
- Designed mobile and web applications using Model View Controller (MVC) architecture
- Developed applications using AngularJS framework
- Created REST endpoints

IEEE Women in Engineering Ottawa Chapter
Webmaster (December 2015 - Present)
- Developed and designed the Women in Engineering Ottawa Section website.
- Maintain website and update information.
- **Available:** http://ieeeottawa.ca/wie/

IEEE Women in Engineering Carleton University Student Branch
Women in Engineering –Chair (April 2016 - Present)
- Organized events to promote women in engineering
- Recruited women engineering undergraduate students to participate in IEEE events
- Planned a networking event for undergraduate students to meet professional engineers
- Supported other women in engineering events run by Carleton

IEEE Women in Engineering Carleton University Student Branch
Women in Engineering – Vice Chair (April 2015 - April 2016)
- Organized events to promote women in engineering
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Industry Canada, Ottawa, Ontario
Assistant (Summer 2015)

- Provided a full range of administrative support to the Director and employees of the Business Solutions Directorate including managing incoming correspondence, planning and organization meetings, handling emails, responding to inquiries, planning and coordinating logistics for meetings.
- Organized various data into Excel spreadsheets and prepared reports
- Organized events, set priorities and met deadlines
- Prepared and updated various administrative documents
- Tracked resources, activities, and expenditures to ensure accuracy of information for project information and recovery

Record of Grades

Laura Machado

Bachelor of Engineering - Year 3
Software Co-op Stream

Cumulative Grade Point Average: 11.24/12
Number of Academic (4 month) Terms Completed: 4
Graduation Date: April 2019

Course Number	Course Name	Letter Grade
Year One:		
CHEM1101	Chemistry for Engineering Students	A-
ECOR1010	Introduction to Engineering	B
ECOR1101	Mechanics I	A+
ECOR1606	Problem Solving and Computers	A+
MATH1004	Calculus for Engineering Students	A-
MATH1005	Differential Equations & Infinite Series for Engineering Students	A+
MATH1104	Linear Algebra for Engineering Students	A+
PHYS1004	Introductory Electromagnetism & Wave Motion	A
SOCI1001	Introduction to Sociology	A
SYSC2006	Foundations of Imperative Programming	A+
Year Two:		
PHYS1003	Intro Mechanics & Thermodynamics	A+
CCDP2100	Communication Skills for Engineering Students	A+
SYSC2001	Computer Systems Foundations	A+
TSES3001	Technology-Society Interactions	A
SYSC2004	Object Oriented Software Development	A
ELEC2501	Circuits and Signals	A
COMP1805	Discrete Structures I	A
ELEC2607	Switching Circuits	A+
MATH2004	Multivariable Calculus for Engineering Students	A
SYSC2003	Introductory Real-Time Systems	A+
SYSC2100	Algorithms and Data Structures	A
Year Three:		
ECOR3800	Engineering Economics	In Progress
COMP3005	Database Management Systems	In Progress
SYSC4001	Operating Systems	In Progress
SYSC3100	Software Design Project	In Progress
SYSC3303	Real-Time Concurrent Systems	In Progress