Arthur Daniel

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EDUCATION
Bachelor of Engineering - Electrical Engineering, Co-op option
Carleton University, Ottawa, Ontario
- Current academic standing 9.4/12 CGPA (B+)
- Expected graduation date April 2017

AVAILABILITY
Available for up to an 8 month work term beginning April 2015

TECHNICAL SKILLS
- Competent in MATLAB – graphing, problem solving, and analyzing systems of equations
- Drafted and designed 3D objects including LED light housings and an iPhone case using AutoCAD
- Produced multifunction algorithms for data arrangement and data basing using programming languages C and C++
- Adept with Adobe CS6 programs such as Adobe Premier, Adobe Photoshop and Adobe After Effects for video and image editing
- Experienced in Microsoft Word, Excel, and PowerPoint software
- Knowledge of Windows and Macintosh operating systems
- Produced audio, wrote scripts and worked as camera operator for television broadcasting show

APPLIED PROJECTS
Patent Improvement Project
- Conceptualized an alternative street lighting system
- Developed a proposal and an in-depth technical report
- Modeled the curb mounted design in detail using AutoCAD
- Presented the project with an slide show, which focused on practical implementation of the system

Reverse Engineering Project
- Redesigned a socket wrench with an additional torque arm
- Developed the design in AutoCAD
- Created prototype using a 3D printer
- Produced a technical report outlining design details

LEADERSHIP SKILLS
- Initiated and led group meetings for the lighting system design project
- Facilitated group communication with the use of online tools such as Google Drive
- Directed a team of students, producing a daily televised morning news program

COMMUNICATION SKILLS
- Conducted a presentation regarding a redesigned street lighting system
- Provided music lessons to many people ranging in age and skill level, developing flexible speaking skills by learning how to deliver the same information to a diverse audience
- Master of Ceremony of a concert, created videos to accompany dialogue

WORK EXPERIENCE

Plumbing Laborer   05/14 – 09/14
BE Mechanical
- Soldered, tested, and prepared bath and shower valves
- Organized and arranged fitting bags for residential sites
- Maintained and organized workshop inventory

Produce Specialist   08/12 – 08/13
Farm Boy Inc. Place d'Orleans
- Ensured customer satisfaction
- Cleaned, sorted and distributed produce

Retail Sales Associate   07/10 – 08/11,
West 49   06/13 – 09/13
- Provided customer service
- Constructed and repaired skateboards in the workshop

Musical Instructor   12/09 – 06/11
Eric's Academy of Music
- Provided Guitar, Drums & Bass Lessons.
- Coordinated lessons for students that varied in age and skill
- Prepared individualized lesson plans weekly

VOLUNTEER EXPERIENCE   09/14 – Present

IEEE Office Carleton
- Volunteer 3 times weekly
- Manage cash box and sales system
- Provide course textbooks and food to students

Shenkman Arts Center   09/13 – 11/13
- Completed stage lighting course
- Completed harness and curtain training

EXTRA-CURRICULAR ACTIVITIES
- Cinematography
- Video editing
- Rock climbing
- Playing guitar

RECORD OF GRADES

Arthur Daniel
Carleton University
2nd Year Bachelor of Engineering
Electrical Engineering

Cumulative Grade Point Average: 9.4/12
Number of Academic Terms Completed: 2
Expected graduation Date: April 2017

Course Number	Course Name	Letter Grade
Year One:		
CHEM 1101	Chemistry for Engineers	B+
ECOR 1010	Introduction to Engineering	B
ECOR 1101	Mechanics I	C+
ECOR 1606	Problem Solving and Computers	B-
MATH 1004	Calculus for Engineers or Physics	A-
MATH 1005	Differential Equations and Infinite Series for Engineering and Physics	A-
MATH 1101	Linear Algebra for Engineering or Science	A+
PHIL 1301	Mind World and Knowledge	A-
PHYS 1004	Electromagnetism and Wave Motion	B
PSCI 1100	Intro to Political Science I	B-
Year Two:		
CCDP 2100	Communication Skills For Engineering Students	A
MATH 2004	Multivariable Calculus for Engineering or Physics	A
SYSC 2006	Foundations in Imperative Programming	B-
ECOR 2606	Numerical Methods	B
ELEC 2501	Circuits and Signals	B
PHYS 1901	Planetary Astronomy	B-
ELEC 2507	Electronics I	In progress
ELEC 2607	Switching Circuits	In progress
MATH 3705	Mathematical Methods	In progress
PHIL 2004	Critical Thinking	In progress
SYSC 2004	Object Oriented Software Development	In progress