Madison Morgan

I am a self-starter, self-motivated individual, eager to learn new skills, broaden academic knowledge, and I am searching for a challenging new position!

2371 Ogilvie Road
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(613) 618-4307
mmorg031@uottawa.com

EXPERIENCE

Zentrum für Mechatronik und Automatisierungstechnik gemeinnützige GmbH, Germany— *Research Assistant*

May 2019 - August 2019

Researched, designed, and implemented an automated assembly sequence planning tool using C# in Visual Studio and Python alongside CAD software.

Curtiss Wright, Ottawa— *Software Engineering Co-op*

September 2018 - December 2018

Used the Agile design methodology to design and implement a security application to parse, verify, and sign images using Python.

Lumentum, Ottawa— *Design Verification & Automation Co-op*

January 2018 - August 2018

Developed an automated test suite to perform software verification on complex optical systems using Python. Automated the collection, data analysis, and visualization of a large variety of optical test results using Python. Constructed a neural network to calibrate tunable lasers efficiently using Tensorflow in the Anaconda IDE.

Innovation, Science, and Economic Development Canada, Ottawa— *Configuration Analyst*

May 2017 - August 2017

Designed, implemented, and repaired a knowledge base of articles and webpages using HTML and CSS to enhance the user experience.

EDUCATION

University of Ottawa, *Bachelor of Applied Science*

September 2015 - Current

- Electrical Engineering & Computer Science with Co-op
- GPA of 8.4/10, Dean's Honors list
- Academia Excellence Scholarship recipient
- International Engineering Scholarship recipient

References Available Upon Request

SKILLS

Technologically Inclined
Proficient in Python, Java, C, C#, MATLAB, R, HTML, VHDL, VB6, Bash, SPCI, CSS

Leadership
Constantly motivating and organizing project groups to achieve common goals

Friendly
Enjoy spending time with friends and family and making new friends

Hardworking
Consistently worked, attended school, and learned at Co-op internships

CERTIFICATIONS

WHMIS
Workplace Hazardous Materials Information System

First Aid and CPR
Covers emergency scene management, shock, fainting, and unconsciousness

LANGUAGES

English: Fluent
French: Intermediate

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Lumentum
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