

CEDRIC FADEL

COMPUTER ENGINEERING

 cedricfadel.com
 github.com/cfadel1
 cfadel@edu.uwaterloo.ca
 linkedin.com/in/cedricfadel

SUMMARY

- Highly motivated individual with over 2 years of experience coding, testing and establishing system improvements
- Aptitude to handle multiple project orders while working in a fast-paced, Scrum/Agile environment
- Eager to learn new skills while adapting to employment guidelines and demonstrating persistence and dedication

EXPERIENCE

• Cloud Software Engineer

NVIDIA | Santa Clara, USA | Sept 2018 - Dec 2018

- Accelerated the provision manager's global deployments by 400% by implementing a multi-threaded Jenkins pipeline that ensures a safe deployment and generates a report analysis
- Designed and implemented integration tests between services using the NUnit framework
- Optimized log collection and aggregation process by automating downloads from Amazon S3, grouping, parsing and performing semantic interpretations per user requirement

• Security Research Assistant

University of Waterloo | Waterloo, Canada | Jan 2018 - May 2018

- Researched Ethereum smart contract security vulnerabilities under Professor Vijay Ganesh
- Held seminars as well as code reviews to educate the department on research findings of Solidity, Ethereum Virtual Machine, and Blockchain vulnerabilities on smart contracts

• Software Engineer

NVIDIA | Santa Clara, USA | Sept 2017 - Dec 2017

- Enhanced data pipeline troubleshooting process by 60% by building a dynamic health monitoring platform to visualize data flow and key performance indicators using D3.js
- Developed services to interact with pipeline components such as Hadoop, Kafka, Logstash, Elasticsearch and Kibana that fetch and store their status using Java Spring framework

• Full Stack Software Consultant

BDO Solutions - Systems Group | Toronto, Canada | Jan 2017 - May 2017

- Designed and developed security features for a web portal including its audit trail, the reset password page and the login page amongst others using C#, SQL, JavaScript and AngularJS
- Enhanced web portal's performance by 60% by making audit trail's design multithreaded

• Software Developer

MedAvail | Mississauga, Canada | Sept - Dec 2015, May - Aug 2016

- Programmed a web-service platform that periodically fetches and displays the status of existing development branches as well as their virtual machines on a web page
- Created .msi installers using WIX to accelerate the installation of web-services by 150%

EDUCATION

University of Waterloo

Sept 2014 - April 2019

BASc, Computer Engineering

Relevant Courses

- Programming for Performance
- Distributed Computing
- Computer Security

SKILLS

Languages

- | | |
|----------|--------------|
| - Python | - C# |
| - Java | - JavaScript |
| - C++ | - Solidity |
| - HTML | - CSS |
| - MySQL | - PostgreSQL |

Tools & Frameworks

- | | |
|---------------|------------|
| - AngularJS | - ASP.net |
| - D3.js | - Node.js |
| - Java Spring | - NUnit |
| - Jenkins | - Kibana |
| - Spark | - Jupyter |
| - Illustrator | - Notebook |

ADDITIONAL COURSES

- The Complete Ethical Hacking Course - Udemy
- Cryptography I - Coursera

PROJECTS

• Text to Braille - Fourth Year Design Project

- Implemented a system that processes text using an Android device's camera and displays it on a refreshable braille system

• Blogging - Portfolio

- Designed and developed a personal website to display blogs, timeline and portfolio using AngularJS
- Blogged topics related to convolutional networks and Ethereum smart contract security vulnerability