

# CEDRIC FADEL

## COMPUTER ENGINEERING

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## SUMMARY

- Highly motivated individual with over 3 years of software engineering experience
- 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
- Eased log collection and aggregation by automating the download procedure from Amazon S4, 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

- Implemented a Data Health Monitoring Platform for existing data pipelines
- Built front-end user interface using primarily D3.js and AngularJS
- 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 implemented security features for a web portal such as 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 2015 - Dec 2015, May 2016 - Aug 2016

- Implemented a web-service platform that periodically fetches and displays the status of existing development branches as well as their virtual appliances 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

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

### Tools & Frameworks

- |                    |               |
|--------------------|---------------|
| - AngularJS        | - ASP.net     |
| - Apache Thrift    | - Hadoop      |
| - Amazon S4        | - Node.js     |
| - Jupyter Notebook | - Java Spring |
| - Jenkins          | - Illustrator |

## 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

- Implemented from scratch a personal website written fully in AngularJS
- Blogging topics related to convolutional networks and research regarding Ethereum smart contract security vulnerability