

# CEDRIC FADEL

## COMPUTER ENGINEERING

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### SUMMARY

- Proficient in software development life cycle with a strong understanding of object oriented concepts and their applications
- Experienced developing solutions utilizing the full-stack of Microsoft technologies
- 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, commitment and dedication

### EXPERIENCE

#### ● Research Assistant - Ethereum Smart Contracts Security Vulnerabilities

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

- Worked under Professor Vijay Ganesh in research and development
- Presented monthly research findings to the faculty

#### ● Software Engineer

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

- Designed and implemented a Data Health Monitoring Platform for existing data pipelines
- Built front end experience using primarily D3.js, AngularJs for both tree representation for the data hierarchy and graph representation for the key performance indicators
- Built backend services that interacts with data pipeline components to fetch and store data using Java Spring framework and Postgres

#### ● 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 the Audit Trail, Reset Password and Login pages amongst others using C#, SQL, JavaScript and AngularJS
- Enhanced web portal's performance by 60% by making Audit Trail's design multithreaded
- Built end-to-end MVC features such as User Management using C#, SQL and JavaScript

#### ● Software Developer

MedAvail | Mississauga, Canada | Sept 2015 - Aug 2016

- Implemented a web-service platform that periodically fetches the information and status of a development branch and its virtual appliance and displays it on a web-page
- Created .msi installers using WIX to accelerate the installation of web-services by 150%
- Fixed bugs and implemented new features on embedded software and various websites primarily using C#, SQL, HTML, CSS, KendoUI, JQuery and JavaScript

### EDUCATION

#### University of Waterloo

Sept 2014 - Present

BASC, Computer Engineering

### SKILLS

#### Languages

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

#### Tools & Frameworks

- |                   |                |
|-------------------|----------------|
| - AngularJS       | - ASP.net MVC6 |
| - Git, TFS        | - Node.JS      |
| - Smart Contracts | - Java Spring  |
|                   | - Kali Linux   |

### ADDITIONAL COURSES

#### Udemy

- The Complete Ethical Hacking Course

#### Coursera

- Cryptography I

### PROJECTS

#### ● Blogging (Web App - AngularJS)

- Added a Blog section to personal website which is implemented using AngularJS
- Blogging topics related to convolutional networks and research regarding Ethereum Smart Contract Security Vulnerability

#### ● Keylogger (Console Application - C++)

- Records and encrypts keyboard and mouse inputs using Windows API hooks and mails it to user using PowerShell script

#### ● Pedometer (Android App - Java)

- Real-time path-finding algorithm which guides a user to a destination while correcting his mistakes

#### ● Stock to Date (Windows App - C#)

- Dynamic information interface app that fetches the price and status of Gold, US Dollar and European Euro on a daily basis