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, commitment and dedication

EXPERIENCE

Security Research Assistant
University of Waterloo | Waterloo, Canada | Jan 2018 - Present

- 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

- Designed and implemented a Data Health Monitoring Platform for existing data pipelines which optimized data pipeline diagnostic by 60%
- Built front-end user interface using primarily D3.js and AngularJS to visualize data hierarchies as tree structures and graphically represented their key performance indicators
- Developed back-end services that interact with data pipeline components such as Hadoop, Kafka, Logstash, Elasticsearch, Kibana and Kangaroo to fetch and store their status using Java Spring framework and PostgreSQL

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
- Built end-to-end MVC features such as user management using C#, SQL and JavaScript

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

- Implemented a web-service platform that periodically fetched and displayed 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%
- 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 - Expected (April 2019)
BASc, Computer Engineering

SKILLS

Languages

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

Tools & Frameworks

- AngularJS
- Apache Thrift
- Git, TFS
- Smart Contracts
- ASP.net MVC6
- Hadoop
- Node.js
- Java Spring
- Kali Linux
- Illustrator

ADDITIONAL COURSES

Udemy
- The Complete Ethical Hacking Course

Coursera
- Cryptography I

PROJECTS

Blogging (Web App - AngularJS)
- Implemented from scratch a personal website written fully in AngularJS which includes a blog section
- 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 emails it to user using PowerShell script

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