Fadi Younis

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EDUCATION

RYERSON UNIVERSITY
M.Sc. in Computer Science (thesis-based)
June 2018 | Toronto, Ontario
Cum. GPA: 4.25/4.33
Department of Computer Science

- Taught intro courses in Web Dev, C, MATLAB and R.

RYERSON UNIVERSITY
B.Sc. in Computer Science (Honours)
June 2014 | Toronto, Ontario
Cum. GPA: 3.10/4.33
Department of Computer Science

LINKS

- Github:// **FadiSYounis**
- LinkedIn:// **fadiyounis**
- Research Gate://**fadiyounis3**

COURSEWORK

GRADUATE
Secure Computing
Web-Services Software Engineering
Advanced Database Systems
Soft Computing and Machine Intelligence
Machine Learning and Statistical Learning
Independent Directed Studies

SKILLS

PROGRAMMING LANGUAGES
Over 10,000 Lines:
• Python • R • SQL • MATLAB

Technologies and Frameworks:
• Eclipse • Tensorflow • NLP

Familiar With:
• C++ • GO • Django

RECOGNITION

AWARDS
• Nominated For the Governor General Gold Medal (GGGM) - 2018

• Receiver of the MITACS Accelerate Grant - 2017

• Receiver of the Ontario Graduate Scholarship Program (OGS) - 2015

EXPERIENCE

IG2 GROUP INC. | Graduate Researcher Intern | Full-Stack
Jan 2017 - Jan 2018 | Toronto, Ont.

- Worked with fellow researchers to implement a proprietary patent on Encrypted Search through the MITACS innovation research grant
- Patent - Efficient Computations on Encrypted Data Stored in the Cloud (https://www.mitacs.ca/en/projects/efficient-computations-encrypted-data-stored-cloud)
- Tools Used - Python, Djnago, Bash, Flask, 3-rd party Encryption Libraries.

ONTARIO GOVERNMENT | Application Developer and Analyst
Jan 2014 – Feb 2015 | Toronto, Ont.

- Independently designed and implemented the v1 of a log filter to analyze government specific Apache server log files targeted for usage by senior management. The application was built using the Java Enterprise.
- Designed and wrote repeatable tests for the log filter and other applications using the JUnit testing framework on the Eclipse development environment.
- Documented hundreds of usability bugs with accurate technical descriptions and provided comprehensive but concise steps to reproduce them.
- Performed Unit acceptance testing (UAT) on proprietary government software projects to find faults in the business documentation, application design, and overall performance.
- Tools Used - Java SE, Bash, JUnit, Eclipse, 3-rd party JSON libraries.

PROJECTS | Personal and Academic
Below are the ones highlighted. Visit my profile (FadiSYounis) for details.

- Ubuntu Miner (Ruby), Mines the entire Ubuntu OS for source code - Academic
- World's Smallest Blockchain (Java), Blockchain Chain generated in Java - Personal
- CV/Resume (Latex), Built my resume in Latex because it better - Personal

PUBLICATIONS AND RESEARCH

ACM JOURNAL PAPER - IN PROGRESS | July 2018
Using Honeypots In A Decentralized Framework To Defend Against Adversarial Machine-Learning Attacks

- Under the supervision of Dr. Ali Miri, Ph.D, P.Eng. I completed my research and defended my thesis in the area of Adversarial Machine-Learning. This journal paper represents a summary of my thesis findings.
- Thesis Dissertation - https://goo.gl/KMqdzb
- Thesis Conference paper (draft) - https://goo.gl/WfBUcg

IEEE CONFERENCE PAPER - PUBLICATION ACCEPTED | July 2017
An Analysis of the Security of Compressed Sensing Using an Artificial Neural Network

- Worked with Shadan Ghaffari, Dr. Wilson Poon and Professor Ali. Miri, We showed that, using a neural network, we can predict the key to decrypt the data and reveal valuable information about the data stored.
- Published at the Privacy, Security and Trust (PST) conference at the UofCalgary
- Conference paper - https://goo.gl/fKGPwA