

Tahera Fahimi

COMPUTER SCIENCE STUDENT

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Education

University of Calgary (UoC) - MASTERS OF COMPUTER SCIENCE

Jan 2022 - Present - Calgary, Canada

- Working on security lab with focus on Secure Communication and Blockchain
- Focusing on Blockchain applications, provable security

Amirkabir University of Technology (AUT) - B.S. IN COMPUTER SCIENCE

Sep 2017 - Aug 2021 - Tehran, Iran

- Main Major was Networking and Artificial Intelligence
- GPA 4/4
- BSc Main Project Course:
 - Design and implementation of web application analysis software to detect Cross-Site Scripting and injection vulnerabilities
 - Grade : 20/20
- Courses: Data structure and Algorithms, Cloud Computing (experience in HDFS(Hadoop Distributed File System) and Apache Spark), Data Mining and Machine Learning (Also Experience in Deep learning), CEH(certificate ethical hacking)

Work Experience

Research & Teaching Assistant - UoC

Jan2022 - Present - Calgary, Canada

- Providing contents for students to help them understanding concepts
- Design exams and projects and correcting them
- Providing extra examples in the tutorial classes
- Currenly working on health applications in Blockchain

Junior of AI Engineer - PART SOFTWARE CO.

May2021 - Dec2021 - Tehran, Iran

- Design and develop a scalable tool to correct Persian misspelling error(detection and correction).
- Map gathered data into suitable data structure based on the needing.
- Train a Bert Base model for text to speech task(grapheme to phoneme).

Malware Analyzer - AMNPARDAZ CO.

Jul2020 - May2021 - Tehran, Iran

- Mainly focusing on core of Padvish as the most powerful Persian Anti-viruse
- Generating disinfecter for different viruses.
- Tracking network traffic anomaly.
- Working with various categories of malware like: viruses, trojan, ransomware and etc.
- Using reverse engineering in order to analyze a malware, and generate its signature.

Python Programming Language Tutor - TUTOR DOCTOR

May2022 - Present - Calgary, Canada

- Private Python course for high school students with no background in programming languages.

Research Assistant - AUT

Jun2020 - Tehran, Iran

- Design and analyze a Secure authentication system based on biometric features.

Teacher Assistant - AUT

Sep2019 - July2021 - Tehran, Iran

- Teaching experience in information security, computer networks, fundamentals of artificial intelligence, cloud computing.

Skills

Programming Languages	Python (experienced in Scikit-Learn, TensorFlow, Pandas, NumPy, PyTorch), Java, C, JavaScript, LaTeX.
OS and Kernel Programming	Linux (Kali, Debian, Ubuntu server), XV6, Windows.
Virtualization and Distributed Systems	VirtualBox, KVM, Hadoop Distributed System(HDFS), Spark.
Security	Cryptography, CEH(Certified Ethical Hacker)
Reverse Engineering Tools	OllyDbg, IDA-Pro, CFF Explorer, API Monitor, PEiD, Process Monitor.
Network Simulation Tools	Cisco Packet Tracer, Wireshark, Boson NetSim.
Software Development	Git, UML, MySQL.
Web Application Development	ReactJs, HTML, CSS, JavaScript.
IDE	PyCharm, Visual Studio Code, IntelliJ.