

# 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
- Deign exams and projects and correcting them
- Providing extra examples in the tutorial classes

### 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

- 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

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

## Language

**English :** Proficient

**Farsi and Dari :** Mother tongue