

Arash Kariznovi

Software Developer

+3 years experience in developing robust software solutions for academia and industry

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🐙 github.com/Arash-Kariznovi

EDUCATION

MSc in Computer Science

University of New Brunswick

12/2022 - Present

GPA: A

Courses

- Cryptography
- Software Security
- Network Security
- Machine Learning

Bachelor in Computer Engineering

Ferdowsi University of Mashhad (Top ranked in Iran)

09/2018 - 09/2022

GPA: A+

Thesis

- Application of Deep learning in lung cancer detection
- Developed a Neural Network model using Keras library

WORK EXPERIENCE

Research Assistant

Canadian Institute for Cybersecurity (UNB)

09/2022 - Present

Achievements/Tasks

- Working on Intel SGX to provide a secure data transmit between Smart meters and the control centers(Cloud) in the Smart Grid
- Participated in monthly meetings to upgrade the NB Power's infrastructure using cutting edge knowledge from Academia
- Designed IoT Test-beds to study the security and speed of symmetric block ciphers like ASCON and AES in the Smart Grid
- Programmed Embedded devices include STM32F303, Arduino, Raspberry Pi 4 using C/C++, Assembly language, and python

Full Stack Web Developer (Intern)

Part Software Group

05/2020 - 09/2020

Achievements/Tasks

- Collaborated closely with UI designers to develop web applications using React.js
- Implemented robust server-side applications using Node.js
- Designed project-specific database architectures using PostgreSQL
- Used Agile development and attended weekly meetings

SKILLS

Programming

Data Structure

Algorithm

Web development

Embedded Systems

Cryptography

Network Security

React.js - Node.js - Express.js - MongoDB(MERN)

C++ - Python - Java - JavaScript - Assembly

Teamwork

Communication skills

critical thinking

git

linux

PERSONAL PROJECTS

github.com/Arash-Kariznovi

- Please reach my GITHUB to find tons of projects with different programming languages, libraries and technologies

ACHIEVEMENTS

New Brunswick Innovation Foundation STEM Award

Value: \$4,000

University of New Brunswick Graduate Award

Value: \$48,000

Selected Idea Award in 3 different Start-up Competitions

1st - International Start-up competition (KARAFARINSHOW)
2nd - Mashhad's Municipality (SMART CITY) 3rd - Faculty of Engineering (Annual Idea competition)

Bachelor's Tuition Waived

Value: \$ 4,000

Top 1% of Iran's University Entrance Exam

Among first 1000 candidates over 200,000

LANGUAGES

English

Full Professional Proficiency

Persian

Native or Bilingual Proficiency

French (in progress)

Elementary Proficiency