## Arash Kariznovi

#### Software Developer

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

kariznoviarash@gmail.com



GPA: A

github.com/Arash-Kariznovi

#### **EDUCATION**

# MSc in Computer Science University of New Brunswick

12/2022 - Present

Courses

Cryptography Network Security Software 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)

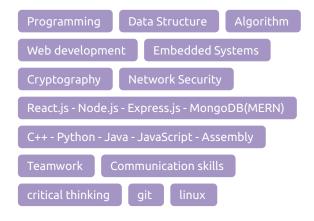
Part Software Group

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**



#### PERSONAL PROJECTS

#### github.com/Arash-Kariznovi

 Please reach my GITHUB to find tons of projects with different programing 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) 2rd - Mashhad's Monucipility (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