

# Seyed Adel Ghaeinian

**Address:** Halifax, Canada  
**Phone:** +1 (902) 580-9880  
**Email:** adelghaeinian@dal.ca

---

## EDUCATION

**Masters of Computer Science**, Dalhousie university

2021 – now

**Bachelor of Computer Engineering**, Amirkabir university of technology (Tehran polytechnic)

- **Cumulative GPA:** (3.75 / 4)
- Selected courses<sup>1</sup> **GPA:** (4 / 4)

2015 – 2020

**Diploma of Mathematics and Physics**

National organization for the development of exceptional talents school (NODET)

2011 – 2015

---

## RESEARCH INTERESTS

- Human-computer interaction
- User experience design (UX)
- Visualization

---

## RESEARCH PAPERS

- Mohammad Almasi, Hemed Fathi, Seyed Adel Ghaeinian, Samaneh Samiee. **Analyzing human motion recognition from first person POV, case study two basic tasks**
- Mohammad Almasi, Seyed Adel Ghaeinian, Samaneh Samiee, and Hamed Fathi. **Investigating the application of human motion recognition for athletics talent identification using the head-mounted camera** 5th International Conference on Inventive Computation Technologies (ICICT-2020) 26-28 February 2020

---

## SELECTED ACADEMIC PROJECTS

### - Data Visualization

a web-based interactive visualization system enabling users to compare music, genre, and artist in terms of their metadata. users can also select certain music and find similar music in terms of its audio features. ([live demo](#)) / ([view on Github](#))

Jan 2021 - Apr 2021

### - Digital design automation (FPGA)

VHDL implementing of language classifier ([view on Github](#))  
Application of FPGA in the implementation of neural networks

Jan 2019 - Jun 2019

### - Artificial intelligence and expert systems

---

<sup>1</sup> Selected courses: Artificial intelligence, Algorithm design, Data structure, Advanced programming

Implementing simulated annealing, hill climbing, genetic algorithms and solving some questions with them [\(view on Github\)](#)

Jan 2018 - Jun 2018

**-Electrical and electronic circuits**

Calculating impedance equivalent and tracing the behavior of the given circuit, DC/AC sweep analysis, Calculating Thévenin equivalent using Orcad

Sep 2018 - Jan 2019

**-Internet engineering**

Developing an online gaming website  
Website developed with MEAN (MongoDB, Express, Angular, NodeJS)

Sep 2018 - Jan 2019

**-Principles of database design**

Designing online shopping ERD and SQL database,  
Working with MYSQL and writing pertinent queries

Sep 2017 - Jan 2018

---

**TECHNICAL SKILLS**

**Programming languages**

Python, Kotlin, Java, C/C++, SQL  
Node.JS, AngularJS, PHP  
VHDL (hardware description language)

**Designing skills**

Figma, Adobe Photoshop, Adobe illustrator  
Adobe XD, Adobe after effect  
Sketch, HTML5/CSS

---

**INTERNSHIP**

**Rahnema College**

UI/UX designing internship

In this two-month internship, I have learned the way that one application is produced, What are requirements, and how to do requirement gathering. I have also become familiar with lots of UX topics such as gamification and prototyping. Our team designed the user experience and user interface of an application called Denj.

JUN 2018 - JUL 2018

---

**WORK EXPERIENCES**

**Designs portfolio:**

Dribbble account: [\(view on Dribbble\)](#)

**Co-Founder of:**

MyBarber application [\(view on Instagram\)](#)

---

**LANGUAGE SKILLS**

**Persian** (native)

**English** (TOEFL Score: 93 / R:24 L:26 S:21 W:22)

---