

# Pouya Aghahoseini

COMPUTER SCIENCE GRADUATE

Unit 4 - 958 Summerside Ave, Winnipeg, Manitoba, CA

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## Summary

Computer Science Master's student at the University of Manitoba, scheduled to graduate in October 2023. Seeking opportunities starting immediately in the field of Software Engineering, and Data Science.

## Work Experience

### Teaching Assistant, Grader

COMPUTER SCIENCE DEPARTMENT, UNIVERSITY OF MANITOBA

**Courses:** COMP 1010, 1020, 1012, 2140, 2280, 3020, 3490

Manitoba, Canada

September 2021 - Present

### Instructor

COMPUTER SCIENCE DEPARTMENT, UNIVERSITY OF MANITOBA

**Course:** Introductory to Computer Science (COMP 1010)

Manitoba, Canada

May 2023 - June 2023

### Teaching Assistant

MATH & COMPUTER SCIENCE DEPARTMENT, AMIRKABIR UNIVERSITY OF TECHNOLOGY

**Courses:** C Programming, Data Structures and Algorithms, Design and Analysis of Algorithms, Compilers, Theory of Computation

Tehran, Iran

September 2018 - August 2020

## Education

### Master of Science

UNIVERSITY OF MANITOBA

• **Major in Computer Science, CGPA : 4.1/4.5**

• **Relevant Courses:** Mobile HCI and Ubiquitous Computing (A+), Advanced Machine Learning (A), Data-driven Software Engineering (B+)

Manitoba, Canada

January 2021 - October 2023

### Bachelor of Science

AMIRKABIR UNIVERSITY OF TECHNOLOGY

• **Major in Computer Science, CGPA : 3.6/4**

• **Relevant Courses:** Databases (A), Data Structures (A+), Software Design (A), Design and Analysis of Algorithm (A+)

Tehran, Iran

September 2016 - July 2020

## Skills

### Programming Languages

Python (5 years), C++ (4 years), C (3 years), Java, R, MATLAB (2 years)

### Web Development and Databases

HTML, CSS, Javascript, MySQL, Redis (2years), Node.js, Express.js (1 year)

### Data Science and Analytics:

Jupyter, numPy, Pandas, Scipy, TensorFlow, Matplotlib, Seaborn

### Miscellaneous

Git, Flutter, Android Studio, Visual Studio Code, IntelliJ IDEA

## Honors & Awards

2022 **Faculty of Graduate Studies Research Completion Scholarship**, University of Manitoba

Manitoba, Canada

2021 **IGSES(International Graduate Student Entrance Scholarship)**, University of Manitoba

Manitoba, Canada

## Projects

### Stream Assistant

MASTER'S THESIS | 📄 GITHUB

- Designed several prototype features aimed at facilitating chat message summarization and enhancing polling mechanisms for live streams.
- Developed a web application utilizing Express framework, Node.js, MySQL, and front-end tools including CSS and JavaScript.
- Conducted a comprehensive study involving 10 Twitch streamers, who employed the Stream Assistant during their live stream sessions.

University of Manitoba

January 2022 - February 2023

### Dynamic Keyboard

MOBILE HCI COURSE | 📄 GITHUB

- Conceptualized and designed over 30 optimized mobile keyboard prototypes.
- Developed an Android keyboard application utilizing Flutter, integrating dynamic key sizing based on user input.
- Conducted a user study, comparing the keyboard's performance against conventional keyboards.

University of Manitoba

January 2021 - March 2021