

Pouya Aghahoseini

COMPUTER SCIENCE GRADUATE

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

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Summary

Computer Science graduate from the University of Manitoba seeking opportunities in the field of Software Engineering and Data Analytics.

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

• **Master's Thesis:** Stream Assistant

• **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

2022 **3rd place in the Sprint to Innovate: The Innovation Challenge**, City of Winnipeg

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