

AZADEH NAHVI

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EDUCATION

Master of Science **University of Maryland, Baltimore County**
Human-Centered Computing (HCC) 📅 Aug. 2025 – Present

- Coursework: Structured Systems Analysis and Design, Fundamentals of HCC

Bachelor of Science **Shahid Beheshti University**
Computer Engineering (CE) 📅 Sep. 2018 – Feb. 2023

WORK EXPERIENCE

Math and Computer Tutor - **Bluegrass Community & Technical College (BCTC)**
📍 Lexington, Kentucky 📅 Aug. 2023 – Aug. 2025

- Provided comprehensive tutoring for various courses, including Computational Thinking; Python; Java; Web Page Development; SQL; Introduction to Program Design, Abstraction, and Problem Solving; and Introduction to Information Systems.

Internship in CRM **Smart Earth Co.**
📍 Tehran 📅 July 2021 – Oct. 2021

- Gained hands-on experience with Customer Relationship Management (CRM) software by developing sample solutions for diverse CRM scenarios.

Principles of Compiler Design **TA**
Sharif University 📅 Spring 2022

Principles of Compiler Design **TA**
Shahid Beheshti University 📅 Fall 2021

RESEARCH EXPERIENCE

MRI Image Processing **Magnetic Resonance Imaging and Spectroscopy Center (MRISC) Lab**
University of Kentucky HealthCare 📅 Sep. 2023 – June 2024

- Implemented automated workflows for image registration with ANTsRegistration, including nonlinear registration methods.
- Extract the region of interest of white matter hyperintensities in MRI cases according to the JHU atlas

Implementing a serious traffic game to improve children's road awareness skills **Software and IS Branch**
Shahid Beheshti University 📅 July 2022 – Feb. 2023

- This project presents a serious game that effectively educates children on traffic laws through virtual scenarios.

OBJECTIVE

Recent Computer Engineering graduate seeking internship/entry-level role in HCC, HCI, UX, Data Analysis, Adaptive and Assistive Technologies, IoT, Smart Systems, Machine Learning, Health Technology Innovation, Information Technology, and Automation.

SKILLS

Programming Skills

Python Java C++ Assembly
Verilog/VHDL HTML CSS

Applications

Unreal Engine FSleyes Adobe XD
Figma ISE Design Suite Visual Paradigm
MATLAB FreeSurfer MIPAV

Technical Skills

Unix/Bash Red Hat Enterprise MySQL
Powershell Networking

Personal Trait

Problem-solving Creativity Teamwork
Adaptability Time Management
Attention to Details

PUBLICATIONS

- Nahvi, Azadeh and Mosharraf, Maedeh, "Implementing a serious traffic game to improve children's road awareness skills", The 3rd Int. Conf. on Electrical and Information Technology, September 14-15, 2023, Politeknik Negeri Malang, Indonesia.
- Bahrani, Ahmad A., Jiang, Yang, Powell, David K., Katsumata, Yuriko, Nahvi, Azadeh, et al., "Could sex differences affect the correlations between fluid biomarkers and white matter hyperintensities?" CCTS Spring Conference, April 9, 2024, Lexington, KY, USA.