

# AZADEH NAHVI

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📞 (859) 513-2222

🇺🇸 US Citizen

🏡 Baltimore, Maryland, 21209

## 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.