

ASHKAN ARABI

(915) 888 - 9801 • aarabimian@miners.utep.edu • linkedin.com/in/ashkan-arabi • github.com/AshkanArabim

EDUCATION

B.S. Computer Science, Mathematics Minor

the University of Texas at El Paso, El Paso, TX

Graduating May 2026

GPA: 3.91

Major GPA: 4.00

Honors & Activities: Dean's List since Fall '22, Houston Endowment Scholarship Recipient

Relevant coursework: Discrete Structures, Data Structures, Matrix Algebra, Computer Architecture

SKILLS

Programming / Markup Languages: Python, HTML/CSS, C++, JavaScript, Java, LaTeX, Bash, Verilog

Frameworks & Software: Linux, TensorFlow, git, React.JS, Conda, Singularity

Certifications: Coursera Neural Networks & Deep Learning - July 2023

EXPERIENCE

AI4ALL, Remote: Student Coordinator

August 2023 - present

- Mentored 16 students across 4 project groups in AI4ALL's Apply AI program.
- Helped students understand concepts such as loss, backpropagation, CNNs, RNNs, transfer learning, etc.

UTEP, El Paso, TX: Computer Lab Assistant

January 2023 - present

- Provided top-tier hardware & software tech support for 10+ students, staff, and faculty daily
- Maintained and updated hardware & software of 500+ computers through regular checkups

Temple University, Philadelphia, PA: Undergraduate Researcher

June - July 2023

- Conducted original research in team of 2 about using Wi-Fi CSI for hand gesture recognition on smartphones
- Developed CNN architecture to classify 5 gestures from 4 people in 6 scenarios (TensorFlow, Python, Bash)
- Obtained >90% classification accuracy by using techniques such as LR Scheduling (TensorFlow, Keras)

ACADEMIC & GROUP PROJECTS

Blabber - a CLI Twitter replica

Fall 2022

Made CLI app that allows users to create an account, post, follow others, see a timeline, and delete their account

- Used scanners and writers to save, update, and delete user information and posts (Java)

PERSONAL PROJECTS

Advent of Code 2022

Summer 2023

Coded C++ solutions to 12 of 25 Advent of Code 2022 challenges.

- Used classes, queues, vectors, and streams to efficiently calculate results based on given inputs (C++)

To Do List Webapp

Fall 2022

Developed interactive to-do list webapp with local save function through vanilla HTML, CSS & JS

- Developed all internal logic from scratch following OOP principles (JavaScript)
- Used Chrome's local storage API for saving user data (JavaScript)

Tic Tac Toe Webapp

Fall 2022

Minimal Tic-Tac-Toe game with human-human, human-bot, and bot-bot game-modes.

- Utilized CSS glow, shading, and animations for a modern and sleek look. (HTML, CSS)
- Followed OOP principles to track game progress. (JavaScript)
- Used typical git/GitHub workflow during implementation (git, GitHub)

LEADERSHIP

Association for Computing Machinery

Fall 2022 - Present

Multiple leadership roles, including publicity officer & treasurer

- Presented multiple interactive workshops attended by org members on topics such as Node.JS.