

# ASHKAN ARABI

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## 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, JavaScript, Java, Bash, LaTeX, C++

**Frameworks & Software:** Linux, TensorFlow, git, ReactJS, Conda, Singularity

**Certifications:** Coursera Neural Networks & Deep Learning - July 2023

## EXPERIENCE

### Temple University, Philadelphia, PA: Undergraduate Researcher

June – July 2023

- Conducted original research in team of 2 on using Wi-Fi CSI for hand gesture recognition on smartphones (LaTeX)
- 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)

### UTEP, El Paso, TX: Computer Lab Assistant

January - May 2023

- 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

## 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

### Personal Portfolio

Spring 2023

Built complete portfolio website with ReactJS and bare CSS. See <https://ashkan.zone>.

- Designed and implemented simple responsive and interactive UI using only bare CSS. (HTML, CSS)
- Used ReactJS components to create single-page application, maximizing responsiveness. (ReactJS, JavaScript)

### To Do List Webapp

Fall 2022

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

- Used Chrome's local storage API for saving user data (JavaScript)
- Used typical git/GitHub workflow during implementation (git, GitHub)

### Tic Tac Toe webapp

Fall 2022

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

- Implemented smooth animations using CSS keyframes to improve site nativation. (CSS)
- Utilized CSS glow, shading, and translucency effects for a modern and sleek look. (CSS)
- Used OOP principles to track game progress. (JavaScript)

## 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.