

PETER MOSES

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EDUCATION

University of Texas at Arlington

Expected Summer 2026

Bachelor of Science in Computer Engineering

Arlington, TX

- Maverick Merit Award Scholarship Recipient
- **Relevant Courses:** Data Structures & Algorithms, Object Oriented Programming, Digital Logic, Linear Algebra, Computer OS & Architecture, Signal Processing

SKILLS

Programming Languages : C, C++, Python, Java, MATLAB

Technologies : Verilog HDL, Flask, Git, Raspberry Pi, Quartus

Soft skills : Quick learner, analytical problem-solver, effective communicator

PROJECTS

Auto Refresh UserScript

Feb 2024

- Assisted my valet workplace by creating an extension that would auto refresh our car retrieval page at a default/ manually set interval.

ML for Handwritten Digits

Feb 2024

- Participated as part of a team during UTA's OUR@CS Research weekend where we got to create ML programs in python to recognize handwritten digits. We trained the models on the MNIST dataset and learned data preprocessing using our own dataset achieving an accuracy of 58%.

Mathematical Expression Parser, Personal Project

December 2024-Present

- Designed and implemented a C++ calculator engine featuring **expression evaluation**, **variable management** and **mathematical functions**.

Verilog Calculator

Fall 2024

- Implemented core calculator components including ALU, Input Unit, Output Unit and Control UNit using Verilog HDL gaining hands on experience with digital design principles and HD Languages

Mavstu Web App, Developer

September 2024-Present

- Developed foundational Flask web application implementing **basic search functionality** for UTA course information. Currently still being built

Advanced Work Scheduler, Developer

Summer 2024

- Enhanced a terminal-based work scheduler, originally developed as a collaborative final project for my OOP class with employee account creation, **automated scheduling** based on employee availability and password masking. Implemented file I/O, **data structures** and basic error handling for efficient info management

WORK EXPERIENCE

Live by Loews Hotel, Valet

June 2023- Present

- Efficiently manage high volume valet services through a systematic approach, while maintaining **strong team dynamics** in a fast paced environment
- Achieved and maintained a **98%** customer satisfaction and having 0 damage claims in the past 8 months

LEADERSHIP/ ORGANIZATIONS

CAHSI, Student Advocate

September 2024- Present

- Fostering student success through disseminating opportunities, workshop support, and participation in leadership networks

Association for Computing Machinery, Member

January 2024- Present

- Utilizing Github with a team of my peers to develop a UTA roommate matching website application

Freshman Leaders on Campus, Member

August 2022- May 2023

- Actively participated in FLOC through organizing events and volunteering at least 10 hours per semester