Jawid Mohammadi

mmohammadi@unm.com | 505-639-1260 | https://jawidmohammadi.github.io/ (Portfolio)

Education

Master of Science in Computer Science — Anticipated 5/2027
The University of New Mexico, Albuquerque, NM

Bachelor of Science in Computer Science — Graduated 5/2025
The University of New Mexico, Albuquerque, NM — GPA: 3.64

Technical Skills

- Java, C++, C, Python, MATLAB
- MPI, OpenMP & CUDA, SLURM
- Java FX, Swing, Spring boot,
- Pytorch and ScikitLearn Libs
- Linux/Unix, Shell Scripting
- AndroidSDK
- Unit Testing (JUnit)
- SQL
- Version Control (git)

Related Experiences

2025 Winter Classic Invitational Student Cluster Competition 01/2025 - 04/2025

- Accessed and managed HPC systems across Oak Ridge, Pittsburgh, and AWS using SSH and VMs to submit jobs, monitor execution, and optimize workloads in distributed environments.

Student Ambassador 08/2022 - 05/2025

Asian American Pacific Islander Resource Center, UNM, Albuquerque, NM

- Maintaining the department's website
- Hosting academic support workshops for engineering students (study sessions, tutoring)

Desktop Support Specialist 05/2022 - 09/2022

Central New Mexico Community College (CNM), Albuquerque, NM

- Resolved IT support tickets by installing and maintaining software and operating system images across lab computers, ensuring secure and reliable configurations for faculty and students.

Java & Android Development (Training/Internship) 01/2020 – 05/2020

Deep-Dive-Coding (Powered by CNM Ingenuity), Albuquerque, NM12-week intensive training session in software development in the following areas:

- Database management
- Software development: Clean Dry code, wireframing, data design, and live deployment
- Android Applications: Room, Hibernate, Maven, and Gradle technologies
- Server-based applications: Spring-boot framework and Relational Database

Professional Certificates / Awards

- Nation Science Foundation - STEM Scholar program 08/2024
- Java Developer Certificate- (Deep-Dive-Coding) 05/2021
- Udemy (CompTIA Network+, Software and Hardware Support, Microsoft Office Suite) 12/2022

Projects

- Built a 3-node Linux HPC cluster; optimized HPL/HPCG across three environments, boosting GFLOPS via BLAS choice, compiler flags, and process mapping 08/2024
- Sentiment Analysis using Feedforward Neural Networks: Built and tuned a PyTorch model using TF-IDF vectors, dropout regularization, and ensemble learning to classify IMDb reviews. 03/2025
- Designed and implemented a custom regression tree model using Python to predict continuous values and system dynamics; Applied the model to approximate real-valued functions and multidimensional state transitions, comparing performance with various tree depths and leaf sizes. 04/2025
- Designed a Voting Machine and emulating it using JavaFX. 11/2024
- Smart Thermostat IoT Client (C, Buildroot, HTTPS): Built a C daemon on embedded Linux that reads sensor data and controls heater state, communicates with a Spring Boot cloud server via REST/HTTPS (libcurl, json-c), fetches a programmable schedule and posts status/telemetry, and auto-starts at boot; tested in QEMU and resolved read-only FS and init-ordering issues. 05/2025
- NASA Astronomy Picture of the Day Android App - https://github.com/Jawidmohammadi/nasa-apod-v4 04/2020

References Available Upon Request