

# Jawid Mohammadi

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## Education

<b>Master of Science in Computer Science</b> The University of New Mexico, Albuquerque, NM	Anticipated	5/2027
<b>Bachelor of Science in Computer Science</b> The University of New Mexico, Albuquerque, NM	Graduated GPA: 3.64	5/2025

## Technical Skills

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

## Related Experiences

<b>2025 Winter Classic Invitational Student Cluster Competition</b>	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.	

<b>Student Ambassador</b>	08/2022 - 05/2025
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Asian American Pacific Islander Resource Center, UNM, Albuquerque, NM

- Maintaining the department's website
- Provided technical support for students and staff, maintaining lab equipment, troubleshooting device issues, and ensuring reliable connectivity to networked printers.
- Hosting academic support workshops for engineering students (study sessions, tutoring)

<b>Desktop Support Specialist</b>	05/2022 - 09/2022
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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.

<b>Java &amp; Android Development (Training/Internship)</b>	01/2020 - 05/2020
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Deep-Dive-Coding (Powered by CNM Ingenuity), Albuquerque, NM 12-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

- **HPC Cluster Deployment (HPC Course Project):** Deployed a multi-node cluster with Warewulf and Slurm. And configured the compute nodes. 08/2024
- **Software Engineering:** Designed a Voting Machine and emulating it using JavaFX. 11/2024
- **IoT - Smart Thermostat:** Built a C daemon on embedded Linux that reads sensor data and controls heater state, communicates with a Spring Boot cloud server via REST APIs fetches a programmable schedule and posts status/telemetry. tested in QEMU 05/2025
- **NASA Astronomy Picture of the Day Android App** - <https://github.com/Jawidmohammadi/nasa-apod-v4> - 02/2021  
built an android app that uses NASA's API to pull the picture of the day, and show it in an image viewer for the client.
- **Neural Network/ML:** 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

References Available Upon Request