

Angel Cazares

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EDUCATION

B.S - Computer Science

New Jersey Institute of Technology

May 2026

GPA: 3.60

Awards & Scholarships

eBay HSI Battle of the Brains
Scholar '24 | NSF S-STEM Grant
recipient | GMIS Conference
sponsorship '24 | Student Group
Partner of the Year (as HACCS
President)

SKILLS

Systems & Automation:

Linux (Ubuntu) • Bash/Shell
scripting • Git/GitHub • Makefiles •
cron jobs • SLURM job scheduling

Programming Languages:

C • Python • Java • JavaScript
(Node.js) • MATLAB

Containers & DevOps:

• Docker (Dockerfile,
docker-compose) • CI/CD (GitHub
Actions) • AWS EC2 (basic)

Databases & Backends:

• MongoDB • MySQL • Express.js
• Node.js

Monitoring & Alerting:

• Prometheus (basic metrics
exposure) • UptimeRobot health
checks • Slack webhooks for alerts

Frontend:

• React.js

Languages

English (Native)

Spanish(Fluent)

Sign Language (Beginner)

EXPERIENCE

President

NJIT HACCS| Newark, NJ

- Worked with board members to increase the semester budget of our club by 1920%
- Negotiated partnerships with fortune 500 companies, being HACCS' first ever sponsors.
- Formalized workflow structure, increasing task turnaround by 20%

CAHSI Advocate

Computing Alliance of Hispanic Serving institutions|

- Recruiting and retaining Hispanic/Latin students at NJIT
- Coordinating events for student success and interest in graduate programs

Student Researcher

Computing Alliance of Hispanic Serving Institutions| Newark, NJ | Feb 2024-Apr 2024

- Optimized LSTM model for live-video capture
- Created a research project poster which received praise by faculty
- Presented workshop surrounding research at WiCS' GirlHacks 2024

Projects

Full-Stack News Sentiment MERN Website

- **Built** a real-time sentiment analytics platform that ingests 5,000+ news headlines/day via AlphaIntelligence's API, delivering a sentiment score dashboard to users.
- **Engineered** a MERN stack (MongoDB, Express.js, React.js, Node.js) with JWT auth (to come) ; optimized REST endpoints to sustain 200 requests/sec and maintain an average API response time under 300 ms

AI ASL Language Detector and Interpreter

- **Developed** a live ASL recognition pipeline using MediaPipe + OpenCV to capture 21 keypoints/frame at 30 FPS; processed 100,000+ frames to train an LSTM, attaining 92% classification accuracy (F1 score: 0.90).
- **Integrated** a lightweight LLM to interpret sequences of ASL words within desired time frames for real-time analysis.

Multi-Agent System Market Simulator

- Architected a modular Python simulation where 50 autonomous agents exchange market-state contexts via A2A messaging over ZeroMQ, coordinated by an MCP (Model Context Protocol);
- **Integrated** GPT-3.5 to guide agents' buy/sell choices, boosting simulated profits by about 10% compared to rule-based bots, while packaging each component in Docker; adding more agents (from 5 up to 50) increased CPU use by under 15% per extra agent