

Contact

cordova.nellie@gmail.com

www.linkedin.com/in/cordovank
(LinkedIn)
cordovank.github.io/ (Portfolio)

Top Skills

Deep Learning
NLP/LLMs
Backend Engineering

Languages

English (Professional Working)
Catalan (Elementary)
Spanish (Native or Bilingual)

Certifications

Microcomputer Systems and Network
Docker in Depth
AWS Certified AI Practitioner
Group 2 Social / Behavioral Research Investigators and Key Personnel
Applied Machine Learning: Algorithms

Honors-Awards

Phi Theta Kappa
Pi Mu Epsilon

Nellie K. Cordova

Software Engineer | AI & ML focused
United States

Summary

Software engineer with a strong foundation in machine learning, completing an M.S. in Computer Science (ML).

Recently, I've focused on applied ML projects that blend vision, natural language understanding, and retrieval-based techniques to build practical, end-to-end ML systems. I'm also experimenting with agent-based AI systems — building small prototypes to understand how agents plan, reason, and coordinate tasks.

Earlier in my career, I worked on a real-time payments platform, contributing to Java-based microservices, test automation, CI quality gates, and release processes in a regulated environment. That experience shaped how I think about reliability, maintainability, and building software that's safe to ship.

I'm excited about roles where solid engineering meets applied ML to deliver systems that are useful, measurable, and safe to ship.

Interests: AI/ML Engineering, Applied AI/ML, ML-oriented SWE, MLOps

Experience

JPMorgan Chase & Co.

2 years 5 months

Software Engineer (Payment Service)

June 2019 - October 2021 (2 years 5 months)

- Contributed end-to-end across the SDLC (requirements to deployments) for Java-based payments microservices and drove production readiness.
- Authored comprehensive operational runbooks—architecture, dependencies/configs, failure modes, diagnostic checklists, decision trees, and step-by-step remediation—to enable fast triage, recovery, and self-serve on-call; provided light support on monitoring/alerting dashboards with platform/SRE.

- Built and maintained test automation (JUnit, Cucumber); enforced CI quality gates (tests, static analysis, coverage) to keep merges green, and executed functional/perf testing (Postman, SOAP UI, JMeter).
- Managed regulated releases: compiled release evidence (test/coverage reports, change tickets, approvals) to secure production sign-off; presented services to global production management.
- Led/participated in agile rituals (sprint planning, backlog refinement); authored technical/architecture docs; coordinated across time zones.

Developer (Salesforce)

September 2019 - June 2020 (10 months)

Participated in building a sustainable software solution in an agile discipline to deliver a socially focused organization's strategy more efficiently. Successfully enabled the client to collect data in a single consistent fashion using Salesforce and facilitating reporting and metrics.

- Gathered requirements from stakeholders, translated them into technical changes, implemented the updates, and documented the work.
- Enhanced a custom Visualforce UI for clarity and consistency, and automated survey creation with declarative Flows to reduce manual setup and standardize templates.

William Paterson University of New Jersey

1 year 8 months

Math & CS Tutor

September 2018 - May 2019 (9 months)

Academic Success Center

- Tutored undergraduate students in math (statistics, college algebra, calculus, and other higher level math) and computer science (Object-Oriented Programming: C++).

ML Research Assistant, Data Science Research Project

March 2018 - May 2019 (1 year 3 months)

Computer Science Department

- Project: A Knowledge Discovery Approach to Analyzing Mental Health Problems in NYC
- Implemented and evaluated predictive models (KNN, Logistic Regression, clustering) in Python & R to make inferences about mental health behaviors among teenagers who tan.
- Presented research insights to students and faculty members during WPU Explorations conference week.

Student Office Assistant

October 2017 - May 2018 (8 months)

College of Education

- Provided excellent customer service to diverse group of clients, including students, employers, and visitors by answering phone calls, emails, and in-person inquiries.
- Compiled student comments from formal end-of-semester evaluations into one document and convert it into an electronic document for each faculty and staff in the department.
- Maintained a hard copy backup of all sensitive information keeping accurate records.
- Assisted with other projects as assigned.

Union County College

Student Office Assistant @ Career Services Center

March 2015 - July 2016 (1 year 5 months)

Elizabeth, NJ

- Developed promotional material for the Career Services Center and assisted with other projects as assigned.
- Trained and mentored new student employees and clarified performance expectations - organized work schedules, set goals, and monitored progress.
- Provided meaningful data entry for job postings.
- Assisted administrators with the marketing of annual job fair.
- Assisted students with career inquiries and/or financial aid application process.
- Provided front-desk reception and other clerical office support as required.
- Updated job knowledge by participating in educational opportunities.
- Maintained excellent positive customer/student relations.

Education

Georgia Institute of Technology

Master's degree, MS Computer Science - Machine Learning · (2022 - 2025)

William Paterson University of New Jersey

Bachelor of Arts (B.A.), Mathematics and Computer Science · (2016 - 2019)

Union County College

Associate of Arts (A.A.), Education (Grades 4-12) · (2014 - 2016)

IES San Juan - Seville, Spain

Technician in Microcomputer Systems and Networks, Computer Systems
Networking and Telecommunications · (2009 - 2011)