

Ana Sordo

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EDUCATION

California State University, San Bernardino

San Bernardino, CA

B.S Computer Science, Minor in Data Science | 3.8 GPA | Magna Cum Laude | Dean's List

Aug. 2021 – May 2025

Cornell University

Ithaca, NY

Machine Learning Foundations e-Certificate, Break-Through Tech

May. 2024 – Aug 2024

- Related Coursework: Computer Science I/II, Machine Organization, Digital Logic, Operating Systems, Algorithm Analysis, Software Engineering, Networking and Security, Compilers, Parallel Algorithms and Programming, Computer Architecture, Data Structures, Web Development, Data Science, Artificial Intelligence, UI/UX Design, Embedded Systems

PROFESSIONAL EXPERIENCE

Experience (XP) Cyber

February 2022 – Present

Intern Software Engineer

San Bernardino, CA

- Developed a full-stack feature enabling a feedback loop for webform submissions, reducing users' premature form closures by 80%.
- Enhanced CI/CD pipeline by expanding test coverage across 50+ platform test suites and refining build validation to guarantee consistent and reliable test runs.
- Implemented a series of combinational enhancements for platforms' modification engine, improving email processing across virtual environments.
- Utilized technologies such as BuildBot Pipelines, jQuery, Node.js, Django, Bootstrap, Docker, REST APIs, and PostgreSQL.

CSU Honors Undergraduate Research Thesis

August 2024 – May 2025

Student Researcher | Student Developer

San Bernardino, CA

- Collaborated with a professor on a research thesis comparing deep learning models on iEEG data to improve brain signal encoding for speech in quadriplegic patients.
- Analyzed multiple patient datasets comprising over 10,000 rows of neural data to draw insights and train traditional and deep learning models.
- Found that deep learning models outperformed the traditional machine learning models, by 39.88% in decoding speech from brain signals.

ASAPP Inc.

August 2024 – December 2024

AI Fellow Engineer | Break Through Tech

New York, NY (remote)

- Programmed a Google-based LLM to group unstructured data from 5000+ agent-to-customer conversations.
- Created RESTful API to return user-queried information on preprocessed conversations.
- Analyzed multiple model performances, leading to a high accuracy of 88.75% with LLama-based models.

PROJECTS AND ACTIVITIES

WiDS Datathon Kaggle Competition

January 2025 – April 2025

- Developed an ML model using ensemble methods and neural networks to predict ADHD and sex with 63% accuracy, contributing to WiDS advancements in neural research.

FullyHacks | Association for Computing and Machinery

April 2024

- Engineered a user-friendly, full-stack personality web application to classify user personality based on storyline responses.

CyberForce Competition | Department of Energy

October 2024

- Utilized advanced cybersecurity strategies to protect industrial control systems and operational technology against live cyber attacks using cyber integrity practices.

TECHNICAL SKILLS AND INTERESTS

Programming Languages: Python, C/C++, JavaScript, jQuery, PostgreSQL, CSS, Typescript, SQL, Dart, Swift, C

Frameworks/Technologies: Django, TailwindCSS, React, Node.js, Flask, Express, Flutter, FastAPI

Developer Tools: Git, Docker, Jira, VMware, VS Code, Visual Studio, PyCharm, JetBrains

Libraries: pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Keras, TensorFlow