

# JORDYN OJEDA

+1 (651) 600-0046 — Woodbury, MN, USA

[jordynaojeda@gmail.com](mailto:jordynaojeda@gmail.com) — [linkedin.com/in/jordynojeda](https://www.linkedin.com/in/jordynojeda) — [jordynojeda.netlify.app](https://jordynojeda.netlify.app)

## EDUCATION

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### University of Minnesota

2018–2023

B.S. Computer Science (3.78) | M.S. Computer Science — AI/ML Focus (3.95)

## TECHNICAL SKILLS

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<b>Languages</b>	Python, C#, C/C++, SQL, JavaScript, TypeScript
<b>Frameworks</b>	PyTorch, FastAPI, Streamlit, OpenCV, ASP.NET, Semantic Kernel, LangChain, LangGraph
<b>Cloud</b>	Azure, Databricks, Snowflake, DataRobot, Kafka
<b>DevOps/Infra</b>	GitHub, CI/CD (GitHub Actions, ADO), Terraform, Docker
<b>Tools</b>	Linux, VS Code, Visual Studio, Eclipse

## EXPERIENCE

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### Polaris Inc.

Medina & Plymouth, MN

#### *AI/ML Engineer – Data & Analytics*

Jul 2025 – Present

- Standardized LLMops practices by defining frameworks for model selection, evaluation, and lifecycle management. Defining metrics for performance, safety, compliance, and cost to ensure scalable and governed AI deployments.
- Architected & developed a RAG platform indexing millions of technical documents with multi-source retrieval, Semantic Kernel orchestration, ABAC-secured access, and QA/test harness pipelines—enabling real-time, citation-backed responses and improving search efficiency.
- Developed a production-grade Text-to-SQL API with FastAPI and LangChain, implementing governance, centralized observability, and enterprise security controls.
- Engineered pipelines using OCR and vision models to transform CAD and technical data into structured JSON.

#### *AI/ML Rotational Program (4 Rotations)*

Jul 2023 – Jul 2025

Completed rotations as a Software Engineer, Computer Vision Scientist, AI/ML Architect, and Data Scientist.

- Built real-time analytics by automating Kafka-to-Snowflake feature pipelines and optimizing ML feature stores; developed ECU anomaly and battery-health prediction models (~ \$350K annual ROI) and standardized pipelines across teams.
- Shaped enterprise AI/ML strategy by evaluating AI/ML platforms and presenting findings to leadership; developed scalable RAG and text-to-SQL applications, and productionalized ML Databricks workflows for cross-functional teams.
- Refactored YOLO/Darknet C++ vision pipelines and deployed modular Python orchestrators across manufacturing sites. Improved defect detection accuracy and enabled large-scale standardization of computer vision systems.

### University of Minnesota – Computational Neuroscience Lab

Minneapolis, MN

#### *Graduate Research Assistant*

2022

- Built PyTorch deep learning models to reconstruct images from fMRI using brain-optimized encoding; presented at Oxford (2023) and co-authored three papers forming the basis of an ML-focused computational neuroscience Master's thesis.

### Trane Technologies – SC+ Team

White Bear Lake, MN

#### *Software Engineering Internships*

Summer 2021 & 2022

- Built full-stack C++/JavaScript features for SC+ controllers (10K+ devices) and a remote BACnet debugging tool used by field technicians. Refactored networking and multithreaded codebases, improving performance and debugging efficiency.

## PROJECTS & RESEARCH

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**Neural Decoding:** Reconstructed imagined human thoughts from fMRI data into visual stimuli using PyTorch-based ML and Generative AI; joint research with MedARC and UMN.

**Fine-tuning LLM + RAG Pipeline:** Developed an end-to-end Gen AI system by fine-tuning a LLaMA 3 model with domain-specific data and integrating a RAG pipeline, including advanced chunking and metadata enrichment.

## LEADERSHIP

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Led & mentored interns at Trane Technologies/Polaris — guided onboarding & technical direction.

Active VP of Polaris Public Speaking club; presented AI/ML solutions to executive leadership.