Nicholi Caron

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EDUCATION

Kennesaw State University - *Masters in Artificial Intelligence*
January 2025 - December 2025
Kennesaw State University - *Bachelors in Mathematics, concentration in Discrete Mathematics and Operations Research*
January 2022 - December 2024
- **Relevant courses:** Graph Theory, Combinatorics, Stochastic Optimization, Linear Algebra, Linear Programming

WORK EXPERIENCE

Theta Informatics   *January 2024 - Present*
Software Engineer (Machine Learning)
- Spearheaded utilization of foundational models to streamline **automatic data labeling** processes
- Championed adoption of **CI/CD** methodologies and leveraged **GitHub Actions** to automate workflows
- Implemented **Data Version Control** to ensure reproducibility and integrity across machine learning pipeline
- Fostered automation of testing processes and pull requests, minimizing manual intervention and enhancing productivity within agile development environment

Western Plastics, Inc.   *May 2024 - Present*
Software Engineer (Frontend / MLOps)
- Developed an e-commerce website utilizing serverless functions to process Stripe payments, leveraging technologies such as NuxtJS, Netlify, and AWS Lambda
- Integrated the website with a live Acumatica ERP system to access real-time inventory and pricing information
- Implemented **Large Language Models** to automate customer service functions, enhancing efficiency and response times while improving overall user experience
- Utilized **Computer Vision** and **OCR** technologies to automate quality control processes for pallets being shipped and received, ensuring accuracy and efficiency in operations

Kennesaw State University   *May 2023 - August 2023*
Machine Learning Research Intern
- Investigated the sensitivity of several variants of the Vision Transformer architecture to covariate shift and poor-quality data in the context of image classification

PROJECTS

Robocop (https://github.com/Neumann-Labs/robocop/**)**
- Developed an **Intrusion Detection System** with automated incident triage and containment
- This project leverages **data preprocessing**, **feature engineering**, **ensemble methods**, **agentic LLMs**, real-time monitoring and alerting, and **continuous learning**, and **deployment pipelines**

NimbleNet (https://github.com/Neumann-Labs/NimbleNet/**)**
- Authored a lightweight, optimized Neural Network Framework written from scratch in C++

LEADERSHIP EXPERIENCE & ACTIVITIES

KSU AI Club Founder and President   (https://www.linkedin.com/groups/14303678/)
- Lead a team of undergraduate researchers in development of an **Object Detection** Model for use in identifying and tracking bees, aiding in conservation efforts (https://github.com/KSU-AI-Club/BusyBee)
- Fine-tuning Large Language Models (LLMs) to provide KSU students with academic planning advice (https://github.com/KSU-AI-Club/AskScrappy)

KSU Mathematical Association of America Chapter Vice President

SKILLS & INTERESTS

Linux | Python |Pandas | SQL | Go | Data Cleaning | Machine Learning | CNNs |Transformers | C++ | Rust