JACKSON **GIORDANO**

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EDUCATION

Virginia Tech	**August 2021 – May 2025**
B.S. in Computer Science, Minor in Mathematics	Blacksburg, Virginia

University of Tennessee Knoxville	**June 2025 – December 2026**
M.S. in Computer Science, Machine Learning	Knoxville, Tennessee

BOOTCAMP

AI Engineer Bootcamp via AI Makerspace | JavaScript, MySQL, Flask, Python   **January 2025 - Present**

- Developed multiple applications utilizing RAG, Agentic AI, Vector Data Storage, and embeddings
- A part of a team of 6 that worked together bi-weekly to experiment with new AI Engineering tools.
- Completed a personal project throughout the course of the Cohort which utilized RAG, embeddings, and custom semantic chunking. This project 'FogReport.com' was ranked as the third highest project for my Cohort and I was selected to give a presentation on this website.

PROJECTS

GioGPT.com | *JavaScript, CSS, Webhosting, JSONL, OpenAI API*   **July 2024 – June 2025**
- A personal chatbot, fine-tuned on OpenAI API 4o model, published to website using GoDaddy webhosting.

SWE Capstone | React, Python, SQL, Flask   **January 2025 – May 2025**
- Project Manager and Lead Frontend developer for a Virginia Tech CS Jobhub membership system utilizing CAS, replacing a paid solution. This reduced costs for VT and improved communication between companies and students.

FogReport.io | Python, NextJS   **July 2025 – October 2025**
- Foreign conflict simulator utilizing RAG, custom semantic chunking, embeddings, and multiple different OpenAI models with the purpose of giving detailed McNamara styled intelligence briefings based on the user's custom simulation.

INTERNSHIP

American Systems Corporation	**December 2024 – January 2025**
Cyber Operations Intern	Chantilly, Virginia

- Performed incident response, security tool management, log analysis, and threat hunting.
- Utilized Azure and Microsoft Defender for Cloud for log analysis and incident response.
- Successfully deploy password-sprayers, user enumerators, and MFA Token stealers to detect vulnerabilities.
- After exploiting these vulnerabilities, we were able to detect them through logs and prevent future attacks.

WORK EXPERIENCE

Proven AI	**June 2025 - Present**

Associate Software Engineer
- Lead developer on multiple contracts tailored towards giving clients LLM solutions to problems in their respective fields.
- Structured database systems using Convex and other systems.

TECHNICAL SKILLS

Proficient Languages: C++, Java, Python, Typescript, Linux, and many more.
Databases: Convex, SQL
Certification: AI Engineer Certification via AI Makerspace