

Thomas C. Parisi

School

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Home

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College of Engineering • Computer Science BS • AI & Robotics • Cybersecurity

Education

University of Delaware
GPA: 3.63/4.0

Newark, DE
2022-Present

- University of Delaware **Dean's List** in Spring 2023, Fall 2023, Spring 2024 and Fall 2025
- Robotics Club Member, Game Development Club Member

Work Experience

VIVID Cybersecurity Research Internship. University of Alabama, Huntsville
Developer

Remote
March- May 2025

- Researched CAPTCHA and implemented AI powered Captcha Cracking methods
- Leveraged **YOLOv11 for object detection**, selenium and pyautogui for screen capture and interaction
- Delegated tasks to team members and coordinated teamwork through **agile principles**

Technical Skills

Languages: C, C++, Java, Python, JavaScript/TypeScript, HTML/CSS, SQL, GDScript, x64 Assembly
Frameworks & Tools: React, Svelte, Node.js, Git/GitHub, npm, OpenAI API, TensorFlow, OpenCV, NumPy, Sentence-Transformers, APIs, scikit-learn

Specializations: Machine Learning (semantic embeddings, clustering, collaborative filtering, computer vision), Systems & Security (SSH, server configuration, Linux administration, key management)

Relevant Coursework: Machine Learning, Networks, System Hardening & Protection, Algorithms, Artificial Intelligence, Data Mining, Database Systems, Data Mining, Computer Vision

Projects

Semantic File Sorter- AI Powered file organization system

- Designed and implemented a desktop application that semantically clusters and organizes files using **sentence-transformer embeddings**, **clustering algorithms**, and LLM-based labeling.

Personal Portfolio Website

- Self hosted and developed my personal portfolio at tommyparisi.com to showcase projects & experience
- Configured DNS registration and deployed with **nginx** on a **hardened home linux ubuntu server**

AI powered Career Quiz

- Developed a web application quiz in **HTML/CSS & typescript** that helps users find their ideal career path
- Implemented OpenAI API to generate personalized career recommendations based on user responses

Sage Discord Bot

- Developed features for a Discord bot used by **4,000 members** in the UD computer science community
- Collaborated with professors and fellow students to research and develop new features

for more information visit tommyparisi.com