

# Thomas Parisi

## School

204 Carroll Court  
Newark, Delaware 19717  
(315) 949-0106  
[tparisi@udel.edu](mailto:tparisi@udel.edu)

## Contact

Website: [tommyparisi.com](https://tommyparisi.com)  
LinkedIn: Thomas Parisi  
GitHub: Tommy-Parisi

## Home

102 Wooded Heights Drive  
Camillus, New York 13031  
(315) 949-0106  
[teparisi55@gmail.com](mailto:teparisi55@gmail.com)

---

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

---

## 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
- Designed and implemented a CAPTCHA solving solution utilizing YOLO, Selenium, and pyautogui

## Languages, Frameworks & Techniques:

C, Java, Python, C++, HTML/CSS, JavaScript/TypeScript, SQL, Node.js, Svelte, React, GDScript

**Machine Learning:** OpenAI API, Sentence-Transformers, NumPy, OpenCV, TensorFlow, Tesseract OCR, Semantic Embeddings, Clustering, Collaborative Filtering, Stereo Vision (region- and feature-based matching), Disparity Mapping, Minimax AI

**Cybersecurity:** Linux, x64 Assembly, SSH, Tailscale, public/private key management, secure server configuration, Ubuntu/Linux server administration, systemd, process/connection management, Ubuntu VM setup & use

**General Tools:** Git/GitHub, npm, virtual environments, Oracle, ChatGPT

## Relevant Coursework

Data Structures, Software Engineering, Algorithms, Computer Architecture, OOP, Automata Theory, Operating Systems, Logic for Programming, Artificial Intelligence, Data Mining, Database Systems

## 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.

Captcha Cracking Bot

- Developed an automatic Image Captcha Cracker, it uses YOLO to detect and click on the correct image in a captcha without any user involvement.
- Delegated tasks to team members and coordinated teamwork through agile principles

AI powered Career Quiz

- Developed a web application quiz which helped 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