

Rocio Perales Valdes

Atlanta, Georgia • Madrid, Spain • nw2053x4w@mozmail.com • github.com/rociopv06

EDUCATION

Georgia Institute of Technology | Major: Computer Science, Minor: Law, Science, and Technology **May 2028**

- GPA: 4.0
- SHPE, Women@CollegeOfComputing, SuperComputing@GT, RoboJackets, Global Leadership, Kappa Alpha Theta

Eastern Mediterranean International School | IB Diploma 43/45 (Higher Level CS 7/7) **Aug. 2022 - May 2024**

- Excellence Scholarship (€24,000, 2022), Academic Achievement (Fall '22, Spring & Fall '23), SAT 1540/1600 (800/800 Math)

SKILLS

Computing:

- Programming Languages: Java, C++, Python, JavaScript
- AI/ML: TensorFlow, Computer Vision, Neural Networks, Interpretability
- Robotics: ROS2, PID Control, Linux
- Development Tools: Git, GitHub, ClickUp
- Web-dev: HTML, CSS, SQL

Languages: English (Proficient), Spanish (Native), French (Beginner)

EXPERIENCE

AI Safety Fellow | AI Safety Initiative at Georgia Tech **Jan. 2025 - Present**

- Research core topics including reward misspecification, machine unlearning, scalable oversight, and interpretability mechanisms
- Participate in weekly technical discussions following a curriculum developed with OpenAI, RAND and leading AI experts

You.com Campus Leader | You.com **Oct. 2024 - Present**

- Raise brand awareness, organized a workshop on AI agents attended by students from Georgia Tech, Yale, Columbia, NYU
- Attend monthly leadership meetings with cross-functional teams to gain insights into AI industry developments

Software Developer | RoboJackets-RoboCup **Aug. 2024 - Present**

- Contribute to a large-scale C++ ROS2-based codebase for intelligent robots developed on Linux systems
- Collaborate with teammates using GitHub for version control and ClickUp for project management

Student Volunteer | SuperComputing@GT **Aug. 2024 - Present**

- Assist in the Georgia Tech Booth at SC24, the premier international conference for HPC
- Participate in monthly CUDA/C++ workshops for parallel computing as well as weekly graduate student talks on HPC research

Developer | Personalized Word Count for Google Docs **Jun. 2024 - Aug. 2024**

- Developed and published a Google Docs extension with **JavaScript** to generate live user-personalized word counts
- Created and privately hosted a supporting [website](#) with Squarespace that includes privacy policy and terms of service
- Published in the [Google Workspace Marketplace](#) achieving **+1000 downloads**

Head of Software | Robotics First Tech Challenge | BFC #20669 **Sept. 2022 - May 2024**

- Developed and debugged code in **Java** using **OOP** and version control through **Git**
- Led a team writing Java code for **Autonomous Movement** with **PID** and **Computer Vision** through OpenCV
- Achieved top 10 ranking in Israel, won a qualifying competition, and awarded the Design Prize

Researcher | Denoising Autoencoders **Sept. 2022 - Oct. 2024**

- Wrote a **Jupyter Notebook** with Google Colab to create a denoising autoencoder
- Tuned the model's hyperparameters with **Tensorflow** reducing the MSE by 15%
- Explained the findings on the deblurring of handwritten digits from the MNIST dataset in a technical paper

AWARDS & CERTIFICATIONS

AI@ATL Hackathon: AI Safety Initiative Track Winner | Major League Hacking **Oct. 2024**

- Created synthetic medical dataset in JSON to conduct prompt injection testing
- Presented live demo to MLH judges leveraging Claude and Gemini APIs with Python achieving 1st place out of 15 teams

Machine Learning Specialization | DeepLearning.AI & Stanford University -Coursera **Jun. 2023 - Aug. 2023**

- Developed ML conceptual knowledge through 3 courses with 15+ Jupyter notebook assignments using TensorFlow and Numpy

AI & Law (with Honors) | Lund University -Coursera **Apr. 2022**

- Dove into the significance of the disruption in AI in the legal field including labor, intellectual property and health law

LEADERSHIP & COMMUNITY ENGAGEMENT

Head of Research: Bee ambassador **Sept. 2022 - May 2023**

- Researched and coordinated distribution of 10,000 local wildflower seed packets for environmental conservation
- Led 200+ students in constructing a bee hotel over 3 days, reporting project outcomes to Netherlands Ambassador Schuurman