

ADRIAN VECINA TERCERO

Computer Science PhD Student | Robot Intelligence Engineer

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ACADEMIC

PhD in Computer Science @ University of Nottingham

- Oct 2024 – Ongoing Nottingham, UK
- Member of the Cyberphysical Healthcare and Assistive Robotics Technologies research group (CHART)
 - Researching how multimodality and language could improve Learning from Demonstration techniques, enabling better Human-Robot Collaboration

Master in Computer Science with AI @ University of Nottingham

- Sep 2020 – Jun 2024 Nottingham, UK
- Graduated with overall 78%, along with two school awards:
 - Best Research Project Award** for *Vibrotactile Feedback for Unobtrusive Information Delivery from Autonomous Robots in Urban Search and Rescue*. This would later be published.
 - Outstanding Community Contributions Award** for leading the RoboNotts robotics team to victory at the London ICRA competition

EXPERIENCE AND VOLUNTEERING

Summer Research Scholar @ Lawrence Livermore National Lab

- May 2025 – Sep 2025 California, USA
- Worked on various projects involving robotics and automation, in the field of Self Driving Laboratories for material and chemical discovery.
 - Worked in a interdisciplinary team of engineers, roboticists and materials scientists, presenting my progress in fortnightly stand-ups.
 - Represented the lab in a poster presentation at the Accelerate 2025 conference.
 - New Skills:** High-Performance-Compute for AI inference, Setting up complex data pipelines, Applying ML knowledge to real-world problems, Advanced point-cloud processing.

Team Lead/Overseer @ RoboNotts Robotics Team

- Apr 2021 – Ongoing Nottingham, UK
- Founded the RoboNotts team, focused on collaborative healthcare robotics competitions
 - Technical Solutions:** Created real-time object detections, integrated with an LLM to enhance our robot's communication.
 - Victory at METRICS-HEART MET:** robotics competition at ICRA2023.
 - Currently guiding the team through new competitions as Team Overseer

SKILLS & STRENGTHS

- Python Robotics Development (ROS)
- Algorithm Design Computer Vision
- Machine Learning L^AT_EX
- Leader Academic Communication
- Public Speaking Native English and Spanish

PUBLICATIONS

"Vibrotactile information coding strategies for a body-worn vest to aid robot-human collaboration" - Adrian Vecina Tercero and Praminda Caleb-Solly (2025). ICSR 2024

HACKATHONS

More details on each hack available at my website. Awards listed in bold.

- "Wotsitbot" @ HackTheBurgX - **Best Demo**
- "Ip over Semaphore" @ HackSussex2024 - **Best Hardware Hack**
- "Human Plant Interaction" @ LanHack23 - **Second Place**
- "Analogue Automata" @ HackSussex2023
- "Autodice" @ HackNotts23
- "Linguini" @ HackTheMidlands7.0 - **Good for Society Prize**
- "Clooney" @ DurHack2021 - **Second Place, Best Hardware Hack**

INTERESTS

Learning From Demonstration (LFD), Robotic Design, Human Robot Interaction and Collaboration. Machine Learning and Interpretability, Prompt Engineering, Superposition.

Cooking, Board Games, Sci-Fi, Architecture, Hacking and Hackathons.

References Available on Request