

ADRIAN VECINA TERCERO

Computer Science PhD Student

@avecinat@gmail.com Nottingham, UK adriavecina tercero.com
https://github.com/Majonez57 0009-0005-7560-8664

adrian-vecina-tercero-9a69a022b

ACADEMIC

Computer Science PhD Student

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

A Levels

The Hazeley Academy

Sep 2018 – Jul 2020 Milton Keynes, UK

- A* Maths, A Further Maths, A Physics

EXPERIENCE AND VOLUNTEERING

Team Lead/Overseer

RoboNotts Robotics Team

Apr 2021 – Ongoing Nottingham, UK

- Founded and lead the RoboNotts robotics team, working on collaborative robotics projects, specialising in healthcare.
- Technical Solutions:** Created a real-time object detection system, and integrated an LLM with DialogFlow to enhance our robot's communication capabilities
- First Place at METRICS-HEART MET** home robotics competition at ICRA2023
- Currently continuing to guide the team through multiple new competitions as Team Overseer

GCSE and A-Level STEM Tutor

MyTutor/VarsityTutors/Private

Sep 2020 – Oct 2024 Online

- Provided specialised maths, physics, computer science, and further maths tutoring lessons at both GCSE and A-Level.

SKILLS & STRENGTHS

Leader Public Speaking First Aider
Teaching & Academic Communication
DBS Checked Native English and Spanish

Python Robotics Development (ROS)
Algorithm Design C Machine Learning
LaTeX

PUBLICATIONS

"Vibrotactile information coding strategies for a body-worn vest to aid robot-human collaboration" - Adrian Vecina Tercero and Praminda Caleb-Solly, awaiting publishing (2024). Presented at 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