

Thomas Haslam

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in Thomas Haslam 🔗 Atomix77

Profile

Final-year MEng Computer Science with Artificial Intelligence student at the University of York, currently on track to achieve a first-class degree. Full-stack software developer with experience in developing responsive front-end interfaces, designing databases, implementing RESTful APIs and deploying production-ready applications. Academic and technical interests include robotics, machine learning, and real-time control systems, as demonstrated by my third-year project, building an autonomous vessel navigation system using ROS 2 and AI models evolved through genetic algorithms. Proficient in multiple coding languages with experience in software engineering and applied AI. Outside of academia, I work as an RYA watersports instructor and team leader, teaching sailing and managing water safety and demonstrating strong leadership, communication, and risk management skills in a dynamic environment.

Education

- MEng University of York**, Computer Science with Artificial Intelligence Sept 2022 – June 2026
- Encompasses topics such as artificial intelligence and deep learning, cyber security, and data analytics
 - Dissertation Project: Autonomous Navigation System for Vessels in Channels Using Neural Networks Evolved with Genetic Algorithms (First Class).
- Sir John Deane's College** A-Levels Sept 2020 – June 2022
- Maths: A*, Computer Science: A, Physics: A

Experience

- Sailia**, Software Developer Feb 2024 – Aug 2025
- Developed and maintained backend APIs using PHP and designed SQL database schemas optimised for performance and integrity
 - Designed and implemented responsive frontend interfaces using HTML, CSS, and JavaScript frameworks
 - Built key system features including payment functions, client onboarding, and memberships for a watersports management platform
 - Collaborated with clients to scope and deliver custom functionality, and addressed client-reported issues through analysis, fixes, and testing
 - Participated in agile team coordination, including task allocation and code reviews
- Manley Mere**, Watersports Instructor and Team Leader May 2021 – Present
- Led sailing and paddle sports sessions, delivering safety briefings and practical instruction
 - Performed lifeguard duties for the aqua park and open water swimming, ensuring public safety and smooth operations of the centre
 - Developed strong communication, leadership, and risk management skills in dynamic environments

Skills

Languages: Python, C, Java, JavaScript, HTML, CSS, PHP, SQL

Technologies: Git, Docker, Linux, ROS2, Gazebo, PyTorch, TensorFlow, Scikit-learn

Certificates: RYA Dinghy Instructor, RYA Day Skipper and ICC, RYA Powerboat Level 2, RYA First Aid