


Mark Warren

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Stoke-on-Trent, UK 

Highly motivated and analytical recent graduate with a First Class BSc (Hons) in Artificial Intelligence and Robotics, seeking a Software Developer position to leverage strong programming skills and experience in building innovative solutions. Proven ability to collaborate effectively on projects and translate complex technical concepts into clear, actionable plans.

Skills

Programming Languages: Python, R, JavaScript, SQL, HTML, PHP, CSS, C/C#/C++, Visual Basic

Data Technology: Data wrangling, cleaning, visualisation (Matplotlib, MongoDB, Rapidminer)

Operating Systems: Windows, Ubuntu, OSX

Development Tools: Git, Visual Studio 2019, Robot C, Alexa Developer Console, Notepad++, Unreal Engine, Unity, PyCharm, Labview

Other: Wireframing/UML Prototyping, Photoshop, Fusion360, CAD/CAM Software, Blender, Sony Vegas, Microsoft Office Suite (including Microsoft Word and Microsoft Excel)

- Strong analytical and problem-solving skills
- Excellent communication and interpersonal skills
- Ability to work independently and collaboratively
- Attention to detail and organizational skills
- Team player with a proven track record of working effectively within diverse teams

Work Experience

Software Engineer Intern
Airbus Helicopters

Oct 2021 - June 2022

As a Software Engineer Intern at Airbus Helicopters, I collaborated with a diverse, international team to develop innovative solutions for aircraft systems and services.

Contributed to AI research on obstacle detection algorithms and helicopter landing Software.

Created Python-based tools for a Springboard Application.

Implemented XML parsing techniques.

Automated workflows through form creation and integration with Google Suite.

Troubleshooting complex technical issues and providing creative solutions.

Mentoring and knowledge sharing with fellow interns.

STEM Ambassador and Student Mentor

Oct 2019 – Dec 2020

Staffordshire University

Both roles were important for developing would-be students to retain, develop and create skills useful to confidently cope independently with an ever-expanding learning environment.

- Provided academic and personal support to fellow students, fostering a positive learning environment.
- Developed strong interpersonal and communication skills by actively listening and building rapport with mentees.
- Assisted with resolving academic or personal challenges, offering guidance and resources.
- Demonstrated leadership skills by organizing study groups and facilitating workshops.
- Represented Staffordshire University at various outreach events and activities, inspiring young people to pursue STEM subjects.

Gardener/Cleaner

July 2018 – Aug 2018

Stonebridge City Farm

As a gardener, I was the face of the centre and would regularly interact with our customers to help with purchasing, what facilities were on offer, our opening times and events ongoing.

- Demonstrated teamwork and collaboration by working effectively with other volunteers and staff.
- Developed strong customer service skills through interactions with visitors to the farm.
- Displayed responsibility and initiative by taking ownership of tasks and completing them efficiently.

Awards

BCS Certificate for the Best First Year – Level 4&5	Dec 2020
Star Mentor Award for Staffordshire University	Dec 2020
Computing Department Prize for best overall performance on AI and Robotics	July 2024

Education

Staffordshire University	Sep 2018 - Jul 2024
BSC (Hons) Artificial Intelligence and Robotics – First Class	
Learning Curve Group (Nottingham)	Mar 2018
NCFE Level 2 Certificate in Principles of Business Administration	
Selby College	Jan 2015
NCFE Level 2 Certificate Principles of Customer Service	
York College	Sep 2007 - Jul 2009
BTEC ND: IT Practitioners (Software Development) - MMM	

Interests

- I enjoy reading and writing about literature, especially works that explore the intersection of technology and society.
- I'm passionate about motorcycles and am currently in the process of getting my first bike and license.
- I love exploring outdoor environments through photography, capturing the beauty of nature.
- I'm interested in innovation and design, with a particular focus on energy efficiency, engineering, and crafting new ideas.