


# 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.