

# Amy Caruana

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## PROFILE

I am a passionate full-stack software developer who loves creating engaging digital experiences, from designing and developing responsive websites to building dynamic applications. I thrive in team environments and enjoy taking on challenges in design and development. With a strong background in UX design, game, web and mobile app development, I'm eager to contribute to a fast-paced, creative environment.

## WORK EXPERIENCE

### Multimedia Developer,

Information Management Unit at the Ministry for the National Heritage, The Arts and Local Government

02/2023 - 05/2024

- Designed and developed various websites using WordPress, ensuring seamless user experiences and device responsiveness.
- Created dynamic applications to meet diverse business needs and provided comprehensive technical support to optimize system performance.
- Enhanced website accessibility and produced compelling video content with Adobe After Effects and Premiere Pro.
- Designed captivating posters and banners using Adobe Photoshop.
- Presented insightful data analysis using Power BI and innovated applications such as a visitor management system and a Quick Access app that streamlined employee navigation with intuitive filtering through numerous application icons.

### Java Developer (Student Apprentice),

University of Malta Institute for Sustainable Energy

06/2022 - 08/2022

- Designed and developed a Java program in NetBeans that enabled users to input parameters and select building types.
- Implemented a classification system that categorized buildings as low-polluting, very-low-polluting, or non-low-polluting based on user inputs.
- Calculated and displayed total energy usage per unit area, providing users with accurate environmental and energy insights.
- Integrated user-friendly input systems and efficient data processing to deliver actionable environmental and energy insights.

### IT and Networking Technical Support (Student Apprentice), Had-Dingli Local Council

07/2021 - 09/2021

- Assisted a local council in a large-scale project to convert from a private network to a government domain-based WAN.
- Performed various tasks; including software installation, printer setup, data transfer, NAS drive installation, and data collection.
- Provided day-to-day technical support to ensure seamless operations.
- Designed posters for events using Adobe Photoshop.

### Assistant Network Technician, Vodafone

11/2019 - 05/2020

- Managed and maintained network infrastructure, including router configuration and general administrative tasks.
- Ensured optimal network performance and stability.
- Played a key role in the development and introduction of 5G technology across multiple cities in Malta.
- Collaborated with cross-functional teams to plan, execute, and oversee 5G network upgrades and deployments.
- Contributed to the successful launch of 5G services, enhancing connectivity and improving user experience.

## SKILLS

Languages/ Frameworks: HTML, CSS, JavaScript, Vue.js, Angular, React, Bootstrap, JQuery, Bulma, PHP, C#, OOP, Java, Python, .NET

Design & Development Tools: Adobe Illustrator, Adobe After Effects, Adobe Premiere Pro, Adobe Photoshop, Adobe XD

Software: Eclipse, Visual Studio, Visual Studio Code, NetBeans, Android Studio, Unity, Fmod, Blender, Apache

Databases: MySQL, MariaDB, Google Firestore

Operating Systems: Linux, Raspberry Pi Platforms & Tools: Docker, Git, Google Cloud, Google Colab, WordPress

## EDUCATION

### Bachelor of Science (Honours) in Multimedia Software Development

MCAST Institute of Information and Communication Technology  
2021 - 2024

Dissertation: "Enhancing User Experience and Usability in Agricultural Automation through an Intuitive Mobile Application Front-End Interface".

This application was built using Android Studio. It was trained with two different machine learning algorithms; LSTM and GRU with the help of a weather API in order to predict future temperatures in greenhouses and to help farmers to regulate their temperatures for the best crop yield. Additionally, it was built using a LAMP stack (Linux, Apache, MySQL, PHP), ensuring efficient back-end processing and seamless user interaction