

# Yacoub Al Karadsheh

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## Profile:

As a passionate computer scientist with a Master's in Advanced CS, I leverage my expertise in AI and software development to tackle real-world problems. My experience in leading projects and fostering collaboration fuels my desire to contribute meaningfully to the field, particularly in the area of software development.

## Key Achievements:

- **Master's Dissertation (2023):** Led development of a state-of-the-art AI image enhancement application using ESRGAN (PyTorch, Python), achieving a 15% reduction in noise artifacts.
- **Master's Project (2023):** Led team via Scrum meetings to develop a facial recognition system with 93% accuracy in keypoint detection (Jupyter, Python).
- **Bachelor's Dissertation (2022):** Developed and led an award-winning voice-controlled campus navigation chatbot (Node.js, Python, SQL).
- **Software Development Intern (ProgressSoft, 2022):** Built dynamic websites, enhanced scalability, and received praise for user-friendly UI design (Java, MVC).

## Education:

**Master of Advanced Computer Science (First Class Honors)** (Sep 2022 - Sep 2023)

**University Of Kent**

First Class Honors (1:1)

**Bachelor of Science in Computer Science (First Class Honors)** (Sep 2019 - May 2022)

**University Of Kent**

First Class Honors (1:1)

## Experience:

**Software Development Full Stack Intern (ProgressSoft, Amman, Jordan) June 2022 - Sep 2022**

- Rapidly mastered HTML, CSS, and Java, leading to the creation of an intuitive user interface that received commendations for its user-friendly design.
- Successfully completed storyboard items within Agile sprints, demonstrating adaptability and a strong commitment to meeting project deadlines and deliverables

**Software Development Intern (RealSoft, Amman, Jordan) - June 2020 - Sep 2020**

- Spearheaded the development of a Python-based visual recognition system, significantly improving automated detection accuracy.
- Created a vehicle detection system using computer vision techniques (OpenCV).

- Successfully adapted to remote work, maintaining effective communication and collaboration within the team.

### **Technical Skills:**

- **Programming Languages:** Python, Java, JavaScript, C++, SQL, HTML/CSS
- **Frameworks & Libraries:** PyTorch, TensorFlow, OpenCV, Flask, Node.js
- **Machine Learning:** Deep Learning, Convolutional Neural Networks (CNNs), Generative Adversarial Networks (GANs), Simple Genetic Algorithms (SGAs)
- **Version Control:** GIT, GITLab
- **Development Methodologies:** Agile (Scrum), StoryBoards
- **IDEs:** Visual Studio, Pycharm, IntelliJ IDEA

### **Soft Skills:**

- **Leadership:** Led teams in project development and fostered collaborative environments.
- **Communication:** Effectively communicated technical concepts to both technical and non-technical audiences.
- **Organization:** Demonstrated strong organizational skills through efficient project management and task delegation.
- **Collaboration:** Successfully collaborated with diverse teams in both in-person and remote settings.
- **Time Management:** Consistently met deadlines and delivered projects on time.
- **Problem Solving:** Demonstrated strong problem-solving skills by identifying and resolving technical issues effectively.

**Languages:** English (Fluent), Arabic (Intermediate)

**Interests:** Cooking, Golfing, Football, Hiking, Video Games