QIMING WANG

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PROFESSIONAL SUMMARY

PhD student at Cardiff University, specialising in Computer Science and Artificial Intelligence, with a research focus on Computer Vision, currently working on the application of Deep Learning in medical forensics. Experienced in both traditional methods and more in deep learning architectures such as CNNs, Vision Transformers, and CLIP. In addition to current academic pursuits, I bring a diverse background in Systems Engineering and software development. Proficient in multiple programming languages, with a solid understanding of hardware systems and practical industrial knowledge.

EDUCATION

PhD Student, School of Computer Science and Informatics, Cardiff University　　　　　　　　2025 - Present

- Supervised by Prof Paul L. Rosin and Dr Xianfang Sun
- Researching methods to enhance medical forensics evidence analysis
- Focusing on unsupervised or self-supervised approaches in computer vision

MSc Software Engineering, National Software Academy, Cardiff University　　　　　　　　2023 - 2024

- **Year 1**
  Agile Software Development, Web Applications, Programming Principles and Practice, DevOps, Manipulating and Exploiting Data, and Delivering User Experience　　　　　　　　Grade - High Merit

BEng Systems Engineering, School of Engineering, University of Warwick　　　　　　　　2019 - 2023

- **Professional Development Break**　　　　　　　　2021 - 2022
  Internship at DNV Shanghai
- **Final Year Individual Project**
  Design A CT Scanner Simulator Using an Arduino Microcontroller　　　　　　　　Final Grade - 74%

CORE SKILLS

Programming Languages	Python, MATLAB, Java, JavaScript, HTML, LaTeX, SQL, C for Arduino IDE
Computer Vision	PyTorch, MATLAB Computer Vision Toolbox, Cognex DVT Intellect
Tools	Git, Jenkins, Sprintboot, Terraform, JUnit, Jacoco, JMeter, NGINX, IntelliJ IDEA, Selenium
UI/UX Design	Axure RP, Figma
Simulation	PVsyst, Simulink
Computer-Aided Design	Autodesk CAD, Autodesk Fusion 360, Ultimaker Cura
Operation Systems	Windows, Linux Command Line
Languages	Mandarin - Native, English - Professional working proficiency

ACTIVITIES DURING WORK PLACEMENT YEAR

- **Jiangyin Junda Automatic (May, 2020-Oct, 2020)**
  -Managed the company's web presence by leading the development and translation of the corporate website (junda-jy.com.cn).
  -Facilitated international business communications by translating technical documents into English.
  -Assisted in business development initiatives, including client outreach and relationship management.
  -Developed cross-functional skills by learning basic electrician techniques, enhancing versatility in factory operations.

- **Internship at DNV, Shanghai (Oct, 2021-Sep, 2022)**
  -Served as a data analysing assistant in Photovoltaics Department.
  -Mastered several methods of analysing PV systems beyond PVsyst software.
  -Utilised PVsyst for modelling and analysing PV systems using provided data and participated in analysing two solar power systems.
  -Developed proficiency in analysing PVsyst reports, enhancing ability to extract and communicate key data points.
  -Enhanced team collaboration skills and interpersonal relationships within the group.
  -Implemented data collection strategies, sourcing technical specifications for PV modules and retrieving geographic and weather data from global climate databases.