**Nana Wang**

https://www.linkedin.com/in/nana-wang-00593465/ • nwangwk@gmail.com

**PROFESSIONAL SUMMARY**

Innovative and strategic AI leader with 10+ years in senior-level editorial roles within media organizations, specializing in AI technologies and their implications in media. Proven track record of collaborating with product and technological teams to develop AI-driven solutions that enhance editorial workflows and consumer-facing products. Expertise in data analysis, machine learning applications, and consumer product development. Strong leadership skills with a strategic mindset, capable of aligning technical initiatives with organizational objectives and communicating complex AI concepts to non-technical stakeholders. Advocate for responsible AI usage, bridging journalistic principles with AI solutions.

**EXPERIENCE**

**DIRECTV** LOS ANGELES, CA

|  |
| --- |
| **Principal Data Scientist & Technical Lead, Video Analytics** *Dec 2021 - Present* |

Led AI-driven video analytics initiatives, enhancing media engagement and collaborating with cross-functional teams.

Boosted video engagement by ?? 36% through semantic analysis and behavior patterns for 3M+ subscribers.

Implemented auto-tagging with computer vision, reducing manual effort by ?? 85% and improving discovery by 40%.

Developed video quality models reducing streaming issues by ?? 40%, enhancing retention on key devices.

Secured $2.5M funding for next-gen video roadmap through cross-functional partnerships with Product and UX by ?? %.

**EDUCATION**

**Johns Hopkins University** Baltimore, MD

|  |
| --- |
| **MS in Artificial Intelligence** *2018-2023* |

Specialization in Computer Vision & Deep Learning with a focus on video understanding research

Developed AI-driven solutions for media applications, enhancing editorial workflows

Collaborated with cross-functional teams to integrate AI technologies into consumer-facing products

**University of Maryland** College Park, MD

|  |
| --- |
| **MS in Finance** *2012-2014* |

Gained strong analytical skills applicable to data analysis and machine learning applications

Completed coursework in financial data analysis, relevant to AI-driven consumer product development

**University of Nottingham, China Campus** Ningbo, China

|  |
| --- |
| **BS in Finance** *2008-2012* |

Graduated with First Class Honours, GPA 4.0/4.0

Conducted research on financial models, providing a foundation for data science methodologies

**SKILLS**

TECHNICAL

AI technologies, Data analysis, Machine learning applications, Consumer product development, Editorial operations, PyTorch, TensorFlow, AWS, Azure, SQL, Python

SOFT

Leadership, Strategic mindset, Cross-functional collaboration, Executive communication, Advocacy for AI ethics

OTHER

Team Management, Decision-making, Organization, Technical Roadmapping, Content Understanding

**PROJECTS**