**Nana Wang**

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

**PROFESSIONAL SUMMARY**

Innovative and strategic AI leader with 10+ years of experience in senior-level editorial roles within media and technology organizations. Proven track record of collaborating directly with product and technological teams to develop AI-driven solutions that enhance editorial workflows and consumer-facing products. Expertise in aligning technical initiatives with organizational objectives through advanced computer vision, recommendation algorithms, and machine learning applications. Strong advocate for responsible AI usage, capable of bridging journalistic principles with AI solutions, and effectively communicating complex AI concepts to non-technical stakeholders. Holds an advanced degree in Journalism, Data Science, or equivalent work experience, with a deep understanding of AI technologies and their implications in media.

**EXPERIENCE**

**DIRECTV** LOS ANGELES, CA

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

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

Increased video platform engagement by ?? 36 % using semantic analysis and personalized recommendations for 3M+ subscribers.

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

Created video quality models, reducing streaming issues by ?? 40 % and boosting retention on underperforming devices.

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

**EDUCATION**

**Johns Hopkins University** Baltimore, MD

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

Specialization in Computer Vision & Deep Learning with a focus on video understanding, directly applicable to media and editorial contexts

Conducted research on AI-driven solutions for enhancing editorial workflows, bridging AI technologies with journalistic principles

Collaborated with cross-functional teams to develop AI applications for consumer product development in media

**University of Maryland** College Park, MD

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

Developed strong data analysis skills, applicable to AI-driven media solutions

Coursework included quantitative methods and decision-making strategies relevant to AI and editorial operations

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

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

Graduated with First Class Honours, GPA 4.0/4.0, demonstrating strong analytical and organizational skills

Completed projects involving data analysis and strategic decision-making, foundational for AI and media applications

**SKILLS**

TECHNICAL

AI technologies, Data analysis, Machine learning applications, Consumer product development, Editorial operations, Content Understanding, Large-scale ML, PyTorch, TensorFlow, OpenCV, AWS, Azure, Kubernetes, MLflow, Spark, Databricks, SQL, Python

SOFT

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

OTHER

Team Management, Strategic Planning, Decision-making, Organization, Collaboration with product and technological teams

**PROJECTS**