**Nana Wang**

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**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 with product and technological teams to develop AI-driven solutions that enhance editorial workflows and consumer-facing products. Expertise in AI technologies, data analysis, and machine learning applications, with a strong understanding of their implications in media. Excellent leadership skills and a strategic mindset, capable of bridging journalistic principles with AI solutions. Advocate for responsible AI usage and skilled in communicating complex AI concepts to non-technical stakeholders.

**EXPERIENCE**

**DIRECTV** LOS ANGELES, CA

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

Led AI-driven video analytics initiatives, enhancing editorial content strategies and consumer engagement.

Increased video platform engagement by ?? 36 % using semantic analysis and personalized recommendations.

Reduced manual tagging effort by ?? 85 % and improved content discovery by 40 % with a computer vision system.

Decreased streaming issues by ?? 40 % and boosted retention on devices with video quality assessment models.

Secured $2.5M funding for next-gen video roadmap through cross-functional partnerships with key 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, aligning with AI technologies in media

Conducted research on AI-driven solutions for media applications, demonstrating a strong understanding of AI implications in editorial contexts

Completed while working full-time, showcasing strong leadership and organizational skills

**University of Maryland** College Park, MD

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

Developed data analysis skills applicable to consumer product development in media

Enhanced strategic decision-making abilities relevant to senior-level editorial roles

**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 academic excellence and dedication

Acquired foundational skills in data analysis and strategic thinking, relevant to media and technology organizations

**SKILLS**

TECHNICAL

AI technologies, Data Science, Data Analysis, Machine Learning Applications, Consumer Product Development, Content Understanding, Video Analytics, PyTorch, TensorFlow, SQL, Python

SOFT

Leadership, Strategic Mindset, Cross-functional Collaboration, Executive Communication, Advocacy for AI Ethics

OTHER

Editorial Operations, Team Management, Technical Roadmapping, Decision-making

**PROJECTS**