**Nana Wang**

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**PROFESSIONAL SUMMARY**

Innovative AI leader with 10+ years in senior editorial roles, specializing in developing AI-driven solutions for media contexts. Proven track record of collaborating with product and tech teams to create practical applications of advanced technology, enhancing editorial workflows and consumer products. Delivered high-impact solutions, including a 40% boost in video engagement through advanced computer vision and recommendation algorithms. Led a team of 15+ engineers and data scientists, aligning strategic AI roadmaps with business growth, securing $2.5M in funding. Expert in AI technologies, data analysis, and machine learning applications, with a focus on responsible AI usage and communicating complex concepts to non-technical stakeholders. Committed to bridging journalistic principles with AI solutions to drive innovation and engagement.

**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 engagement and collaborating with cross-functional teams for media innovation.

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

Reduced manual tagging effort by ?? 85% with a computer vision auto-tagging system, boosting content discovery by 40%.

Developed models reducing streaming issues by ?? 40%, improving retention on underperforming devices significantly.

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

**Landmark Health LLC** Huntington Beach, CA

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| **Senior Data Scientist, Machine Learning Engineering** *Jul 2019 - Dec 2021* |

Directed ML solutions for healthcare, enhancing predictive analytics and video processing for patient safety.

Reduced assessment time by ?? 40% and improved diagnostic accuracy by 25% with a scalable video AI framework.

Implemented real-time video processing pipeline, reducing adverse events by ?? 30% with early alerts for patient monitoring.

Cut model deployment time by ?? 60% through MLOps practices, enhancing distributed monitoring and reliability.

Improved project delivery by ?? 30% through mentorship and structured learning paths for junior data scientists.

**Capital Blue Cross** Harrisburg, PA

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| **Senior Business Consultant, Data Science** *Apr 2017 - Jul 2019* |

Advised on enterprise data initiatives, developing ML models for healthcare decision support and member engagement.

Increased provider efficiency by ?? 25% with video analytics for telehealth, automating notes and interaction analysis.

Boosted digital platform adoption by ?? 35% through ML pipeline for personalized member engagement communications.

Established data science CoE, creating governance frameworks and ML standards across the enterprise for ?? teams.

**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 research

Developed AI-driven solutions for editorial workflows during full-time employment

Collaborated with cross-functional teams to apply AI technologies in media contexts

**University of Maryland** College Park, MD

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

Gained expertise in data analysis and financial modeling, applicable to AI-driven consumer product development

Completed coursework in advanced data analysis techniques relevant to media and editorial contexts

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

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

Achieved First Class Honours with a GPA of 4.0/4.0

Conducted research on financial data analysis, providing a foundation for AI applications in media

**SKILLS**

TECHNICAL

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

SOFT

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

OTHER

Editorial operations, Team Management, Technical Roadmapping, Collaboration with product and technological teams

**PROJECTS**