**Nana Wang**

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| **SUMMARY** |

Strategic AI leader with 8+ years building video ML systems at scale. Delivered high-impact solutions driving engagement through advanced computer vision and recommendation algorithms. Proven team leadership aligning technical initiatives with organizational objectives.

* 40% video engagement boost, next-gen content understanding, recommendation systems serving millions.
* Built & scaled video AI platforms, petabyte-scale processing, 99.9% uptime, millions of users.
* Led 15+ eng/data scientists, strategic video AI roadmaps, aligned with business growth, $2.5M funding secured.

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| **EXPERIENCE** |

**DIRECTV** **LOS ANGELES, CA**

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

**Strategic vision & execution for streaming platform video intelligence, 3M+ subscribers, ML initiatives with executives**

* Video content platform, 36% engagement increase, semantic analysis + behavior patterns, personalized recs.
* Computer vision auto-tagging system, 85% manual effort reduction, 40% content discovery improvement.
* Video quality assessment models, 40% streaming issues reduction, increased retention on underperforming devices.
* Cross-functional partnerships (Product, UX, Content), next-gen video roadmap, secured $2.5M funding.

**Landmark Health LLC** **Huntington Beach, CA**

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

**Led 5-person DS team, ML solutions for predictive analytics, computer vision across healthcare platforms**

* Scalable video AI framework, 40% assessment time reduction, 25% diagnostic accuracy improvement.
* Real-time video processing pipeline, patient monitoring, 30% adverse events reduction, early alerts.
* MLOps practices implementation, 60% model deployment time reduction, improved distributed monitoring.
* Junior DS/eng mentorship, structured learning paths, 30% project delivery improvement.

**Capital Blue Cross** **Harrisburg, PA**

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

**Enterprise data initiatives, ML models for healthcare decision support, executive advisory role**

* Video analytics for telehealth, 25% provider efficiency increase, automated notes + interaction analysis.
* ML pipeline for member engagement, 35% digital platform adoption increase, personalized comms.
* Data science CoE with executive team, governance frameworks, ML standards across enterprise.

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| **EDUCATION** |

**MS in Artificial Intelligence - Johns Hopkins University** **2018-2023**

Computer Vision & Deep Learning specialization, video understanding research, completed while working full-time

**MS in Finance - University of Maryland** **2012-2014**

**BS in Finance - University of Nottingham, China Campus** **2008-2012**

GPA 4.0/4.0, First Class Honours

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| **SKILLS** |

Technical: ML, Computer Vision, Deep Learning, Recommendation Systems, Video Analytics, Content Understanding, Large-scale ML

Leadership: Team Management, Strategic Planning, Cross-functional Collaboration, Executive Communication, Technical Roadmapping

Platforms & Tools: PyTorch, TensorFlow, OpenCV, AWS, Azure, Kubernetes, MLflow, Spark, Databricks, SQL, Python