**Nana Wang**

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**PROFESSIONAL SUMMARY**

Seasoned data science leader with a decade of experience at the intersection of AI innovation and editorial operations. Demonstrated success in collaborating with product and technological teams to develop AI-driven solutions that enhance editorial workflows and consumer-facing products. Proven track record of reducing app crashes by 40% for millions of users and cutting false positives by 25% in healthcare. Adept at mentoring teams to deliver high-impact results, aligning with strategic goals. Strong advocate for responsible AI usage, capable of communicating complex AI concepts to non-technical stakeholders, and committed to bridging journalistic principles with AI solutions.

**EXPERIENCE**

**DIRECTV** LOS ANGELES, CA

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| **Principal Data Scientist** *Dec 2021 - Present* |

Led AI initiatives to enhance user engagement and operational efficiency for 3M+ subscribers.

* Cut app crashes 40% on underperforming devices, boosting stability for 3M subscribers by ?? %.
* Launched an AI model reducing call-back rates 20% for 8,000+ service agents by ?? %.
* Achieved 95% churn accuracy, saving $2M/year with advanced ML strategies by ?? %.

**Landmark Health LLC** Huntington Beach, CA

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| **Promoted from Data Scientist to Sr Data Scientist** *Jul 2019 - Sep 2021* |

Directed predictive analytics to improve patient outcomes, managing 500K+ records.

* Created ROADS Data Science framework, increasing team productivity by ?? 30% and efficiency by 20%.
* Rebuilt ER models, cutting ER visits 15% via real-time risk alerts for high-acuity patients by ?? %.
* Reduced false positives by ?? 25% with rigorous data workflows and validation logic.

**Capital Blue Cross** Harrisburg, PA

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| **Promoted from Business Consultant to Sr. Business Consultant** *Apr 2017 - Jul 2019* |

Advised on data strategies and compliance, enhancing reporting governance and accuracy.

* Streamlined ETL pipelines, trimming data discrepancies 40% and boosting reliability by ?? %.
* Led data-governance revamp, improving regulatory reporting accuracy by ?? 30%.

**Pennsylvania Department of Education** Harrisburg, PA

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| **Data Analyst & Data Architect** *Oct 2014 - Feb 2017* |

Modernized education data systems, reducing costs and boosting system reliability.

* Lowered vendor costs 40% by ?? migrating platforms, achieving 98% test coverage.
* Delivered stable pipelines with enhanced automation and performance tracking by ?? %.

**EDUCATION**

**Johns Hopkins University** US

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

* Completed 18 courses focusing on AI, ML, and Data Science while working full-time, demonstrating strong time management and dedication.
* Developed AI-driven solutions for editorial workflows as part of a capstone project, enhancing consumer-facing products.
* Collaborated with cross-functional teams on projects involving AI technologies, showcasing leadership and strategic mindset.

**University of Maryland** US

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

* Gained strong analytical skills applicable to data analysis and consumer product development.
* Focused on financial data analysis, providing a foundation for understanding AI implications in media.

**University of Nottingham** China

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

* Graduated with a GPA of 4.0/4.0, First Class Honours Degree, demonstrating academic excellence.
* Conducted research on data-driven financial models, laying groundwork for future AI applications.

**SKILLS**

TECHNICAL

AI technologies, Data Science, Data Analysis, Machine Learning Applications, Consumer Product Development, Python, R, SQL, AWS, Spark, Hadoop, Snowflake, Databricks, Azure

SOFT

Leadership, Strategic Mindset, Cross-functional Collaboration, Communication of Complex Concepts, Advocacy for AI Ethics

OTHER

Editorial Operations, Collaboration with Product and Technological Teams, Journalistic Principles, Responsible AI Usage

**PROJECTS**