Olivia Nakamura

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Education

Stanford University Stanford, CA
Bachelor of Science in Data Science Aug 2023 – May 2027
Relevant Coursework: Machine Learning, Big Data Analytics, Natural Language Processing, Cloud Computing, Algorithmic Design, Statistical Modeling

GPA: 3.93/4.0

Technical Skills

Languages: Python, R, SQL, Java, Scala **Tools:** TensorFlow, PyTorch, Apache Spark, Hadoop, Tableau, Docker

Projects

Predictive Healthcare Analytics Platform | *Python, Machine Learning*

- Developed AI-powered predictive model for disease progression
- Achieved 85% accuracy in early diagnosis prediction
- Implemented advanced feature selection techniques

Real-Time Financial Market Prediction | *Scala, Apache Spark*

- Created distributed machine learning system for stock market analysis
- Developed streaming data processing pipeline
- Designed algorithm with 72% trading signal accuracy

Climate Change Impact Prediction Model | *R, Data Visualization*

- Built predictive model for regional climate change impacts
- Integrated multiple environmental datasets
- Created interactive visualization dashboard

Research Experience

AI Research Assistant Jun 2022 – Aug 2023
Stanford Artificial Intelligence Lab *Stanford, CA*

- Conducted research on machine learning interpretability
- Developed novel techniques for explaining neural network decisions
- Co-authored research paper presented at NeurIPS Conference

Work Experience

Data Science Intern May 2023 – Aug 2023
Salesforce *San Francisco, CA*

- Developed machine learning models for customer insights
- Optimized recommendation algorithms
- Implemented scalable data processing pipelines

Machine Learning Intern Jun 2022 – Aug 2022
Google *Mountain View, CA*

- Supported natural language processing research
- Developed prototype for conversational AI improvements
- Conducted performance benchmarking of ML models