

# Chee Nue Lor

## AI/ML Engineer | Applied Machine Learning | MLOps Specialist

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### PROFESSIONAL SUMMARY

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Outcome-minded AI/ML Engineer with 6+ years of experience building, training, and deploying intelligent systems at scale. Expert in deep learning, natural language processing, and predictive modeling, with a proven ability to take models from prototype to production. Strong background in MLOps, cloud deployment, and full-stack integration, combining data science rigor with software engineering excellence.

### PROFESSIONAL EXPERIENCE

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#### Senior AI/ML Engineer, *Luminaa Labs*

04/2023 – Present  
Remote

- Architected and deployed AI-driven real estate forecasting models achieving 92% predictive accuracy on 2-year home value projections.
- Built LLM-powered property insights engine using LangChain + GPT- for natural language querying.
- Designed a MLOps pipeline (AWS SageMaker + MLflow + FastAPI) reducing model update time from 3 days to 6 hours.
- Managed data strategy for 100M+ property records using Spark and Redshift.
- Mentored junior ML engineers and established CI/CD best practices.

#### Machine Learning Engineer, *Nova Intelligence*

06/2021 – 03/2023  
Remote

- Developed text summarization and entity extraction models using BERT and T5 for automated reporting.
- Trained transformer models for sentiment and trend analysis with 89% F1 score.
- Deployed scalable ML APIs via Docker + Kubernetes, handling 1M+ monthly requests.
- Created real-time inference services with model versioning using MLflow.

#### AI Engineer, *DataForge Analytics*

06/2019 – 05/2021  
New York, NY

- Built fraud detection models (Random Forest, CatBoost) with 95% recall on imbalanced datasets.
- Automated feature pipelines and model retraining using Airflow and AWS Lambda.
- Implemented SHAP and LIME explainability dashboards for internal audits.

- Collaborated with software teams to integrate AI models into SaaS applications.

## EDUCATION

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**B.S. in Artificial Intelligence**, New York University, New York

09/2015 – 05/2019  
New York, NY

## CERTIFICATIONS

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AWS Certified Machine Learning - Specialty • TensorFlow Developer Certificate •  
Deep Learning Specialization - Coursera (Andrew Ng)

## KEY PROJECTS

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**AI-Powered Content Automation**, Multi-modal AI pipeline generating text, images, and videos for social media using GPT-4 + DALL-E + Whisper APIs.

**Conversational Property Assistant (LLM)**, Fine-tuned open-source LLM (Mistral 7B) on structured real estate listings with LangChain + Pinecone for RAG.

**Predictive Maintenance for IoT Systems**, Hybrid LSTM + Prophet model predicting equipment failures 48 hours ahead, cutting downtime by 30%.

## CORE COMPETENCIES

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### Machine Learning & AI

Supervised/Unsupervised Learning, NLP, Computer Vision, Time-Series Forecasting, LLM Fine-Tuning, Reinforcement Learning

### Software Engineering

React, Node.js, Flask, GraphQL, Agile, Microservices Architecture

### Programming & Data

Python, SQL, Pandas, Spark, NumPy, REST APIs, MongoDB, Postgres

### MLOps & Deployment

FastAPI, Docker, Kubernetes, Airflow, AWS SageMaker, GCP Vertex AI, GitHub Actions, CI/CD

### Frameworks & Tools

PyTorch, TensorFlow, scikit-learn, Hugging Face, LangChain, OpenAI API, MLflow, ONNX