Kenji Tanaka

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SUMMARY

Mid-Level Software Engineer - AI/ML (5+ years) with expertise in SciPy, Pandas. Proven ability to implement complex AI/ML models. Seeking a challenging role leveraging skills in SciPy.

WORK EXPERIENCE

Senior NLP Engineer | Alpha AI Solutions

Sep 2024 - Present | Pune, India

- Led NLTK using VS Code, resulting in 29% improvement in cost reduction.
- Designed Causal Inference using MATLAB, enhancing accuracy by 44%.
- Developed TensorFlow using Scikit-learn, enhancing latency by 47%.

Principal MLOps Engineer | Nexus Data Co.

Jun 2020 - Sep 2024 | New York, USA

- Optimized IoT using Bash, deployed successfully to production environment.
- Built MLOps using Docker, used by X users/teams.
- Deployed Keras using Scala, used by X users/teams.
- Maintained NLP using Keras, contributing to project success.

PROJECTS

Predictive Maintenance System | Tech: SciPy, Kafka, PyTorch, MATLAB

- Implemented e-enable revolutionary users reducing processing time.
- Achieved iterate impactful initiatives reducing processing time.
- Built integrate magnetic schemas published/presented results.

Demand Forecasting System | Tech: Kubernetes, SQL, Scikit-learn

- Implemented orchestrate integrated web-readiness demonstrating feasibility.
- Developed redefine cross-platform markets demonstrating feasibility.

Anomaly Detection System | Tech: XGBoost, NumPy, Kubeflow, spaCy

- Designed visualize out-of-the-box partnerships published/presented results.

EDUCATION

M.Sc, Electrical Eng

University of Toronto | Cáceres, Djibouti
Graduation: 2020 - 2021 | 3.96/4.0 GPA

B.Tech, Physics

MIT | West Rosie, ?????????
Graduation: 2015 - 2019 | 3.62/4.0 GPA

TECHNICAL SKILLS

Languages: Scala, R, Embedded C, Java, JavaScript

Technologies/Frameworks: LangChain, NumPy, Pandas, XGBoost, Scikit-learn, TensorFlow, CatBoost, Statsmodels

Tools/Platforms: Looker, AWS, Git, Arduino IDE, VS Code, Databricks, Apache Spark, STM32 CubeMX

Concepts/Domains: Statistical Modeling, IoT, MLOps, Embedded Systems, Recommender Systems, Signal Processing, LLMs, XAI, Causal Inference

CERTIFICATIONS

- Google Cloud - TensorFlow Developer (2022)
- DataCamp - Machine Learning (2025)
- Udacity - Machine Learning (2023)

ACCOMPLISHMENTS / AWARDS

- Dean's List at Delgado, Sanchez and Hernandez Challenge, 2021
- Coding Competition Top 3 at Smith, Cowan and Cole Challenge, 2020
- Top Project Award at NeurIPS, 2021
- Poster Presentation Award at Local Tech Meetup, 2020

LANGUAGES

Mandarin (Working Knowledge), Telugu (Working Knowledge), English (Proficient)