Alexander T. Hung

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QUALIFICATIONS PROFILE

Machine Learning & AI Expertise: Proficient in developing and optimizing models using supervised/unsupervised techniques and frameworks like TensorFlow, PyTorch, and Scikit-learn; experienced in NLP, LLMs, and real-world AI applications including predictive analytics and model fine-tuning.

Programming & Algorithm Skills: Strong foundation in object-oriented programming and algorithmic problem-solving, with hands-on experience in data structures (trees, graphs, etc.), sorting/searching optimization, and dynamic programming.

Data Science & Cloud Proficiency: Skilled in data preprocessing, feature engineering, evaluation metrics, and hyperparameter tuning; experienced with cloud platforms (AWS, Azure, GCP) for scalable AI deployments and big data analytics.

Interpersonal & Multilingual Abilities: Effective communicator and team collaborator with experience working across diverse technical teams; bilingual in English and Mandarin, with basic knowledge of Japanese.

EDUCATION

Bachelor of Science in Computer Science, Data Science Track
University of Hawai'i at Mānoa | Honolulu, HI – 05/2024
— *Dean's List*
— *Relevant Courses: Big Data Analytics | Capstone Project | Data Science Fundamentals | Data Visualization Intro to Climate Modeling | Introduction to Econometrics I | Machine Learning Fundamentals*

Machine Learning, Data Science, and Database System Training Program
University of Hawai'i at Mānoa | Honolulu, HI

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML/CSS, SQL, C/C++, C#, Java, TypeScript, R
Frameworks & Libraries: React.js, Node.js, Flask, Angular, Express.js, TensorFlow, Scikit-learn, Pandas, NumPy
Tools & Platforms: GitHub, AWS, Azure, Linux
Domains: Machine Learning (ML), ETL, Web Development, Game Development (Unity)

ACADEMIC PROJECTS

Project Name: **Why Fires**   10/2023–Present
Role: **Sole Developer**
Objectives: To evaluate brush fire risk in a given area and estimate potential spread, enabling proactive prevention and mitigation strategies.
- Developed a system to analyze and visualize fire incidents, while identifying key variables and patterns that contribute to their occurrence for better prevention and risk management.
- Built robust backend systems and scalable APIs to optimize application performance.
- Created seamless user experiences through intuitive UI design and efficient data management.