

Luan Dang

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EDUCATION

Stanford University

Bachelor of Science in Computer Science

Palo Alto, CA

June 2027

Relevant Coursework: Computer Organization and Systems, Linear Algebra, Multivariable Calculus, Artificial Intelligence Principles and Techniques, Design and Analysis of Algorithms

Involvements: Thrive Scholars - Community Leader, Suno AI - Campus Ambassador, Stanford Music Community - Music producer

TECHNICAL SKILLS

Languages (Python, C++, C, JavaScript) • Frameworks (React, Next.js, Flask) • AI/ML (OpenAI APIs, LLMs, PyTorch)

Tools (Git, Docker) • Cloud (AWS, Azure)

WORK EXPERIENCE

Neurotrack

Software Engineer Intern

Redwood City, CA

October 2025 - Present

(Python | TypeScript | Next.js | OpenAI | LLMs)

- Developed a full-stack healthcare platform using Next.js, integrating GPT-4 and 8 APIs to process over 88,000 rows of clinical patient records with parsers
- Implemented a CSV/JSON data-import system with strict validation and custom algorithms to generate 15+ statistical cognitive metrics per patient assessment
- Designed a CE-based care-pathway engine modeled on UCSF's Care Ecosystem framework, encoding protocols into a 7-step decision algorithm

Strategic Risk Solutions

Software Engineer Intern

San Francisco, CA

June 2025 - September 2025

(Python | Git | Azure DevOps | Azure Storage | Azure AI Foundry | Azure App Services | LLMs)

- Built and implemented a retrieval-augmented-generation (RAG) chatbot solution for insurance-related queries from a customized Microsoft SDK
- Designed and implemented an automated data ingestion pipeline in Python, integrating Azure Blob Storage with Azure AI Search to support high-throughput indexing and on-demand querying
- Optimized search query handling within Azure AI Search, lowering average response latency from 32 seconds to 2-3 seconds for databases with over 20 files

Stanford - Improvement, Analytics, and Innovation Services (IAIS)

Palo Alto, CA

December 2024 - Present

Front-End Software Engineer

(React | Flask | HTML | Javascript | Python | Open-AI API)

- Built a dashboard for a process optimization tool where consultants can analyze and interact with process maps to identify bottlenecks and areas of improvement
- Designed the user interface taking into account efficiency and user-friendliness and created it with React, HTML, and Javascript
- Implemented a chat-bot interface with React and Python where consultants can converse with their process map analysis through GPT-4o

Stanford - The Chadhauri Lab

Palo Alto, CA

July 2024 - August 2024

Research Software Engineer

(Python | Git)

- Implemented the RSoft ML model to analyze mechanical properties of cells, leading to enhanced understanding of cell behavior and graphical data for future research projects
- Customized Python scripts for the RSoft project, optimizing the evaluation of softness fields in 3D cell structures, resulting in more precise modeling of tissue regeneration

Stanford University

Palo Alto, CA

June 2024 - July 2024

CS Tutor

- Mentored 4 underclassmen on a weekly basis in Python fundamentals, including data structures (lists, dictionaries), recursion, and basic algorithms
- Designed personalized learning plans, improving student understanding and coding proficiency over the quarter

PROJECTS

TreeTrade

Palo Alto, CA

- Created a marketplace platform for Stanford students to buy and sell items on campus using a live map of campus
- Built RESTful APIs for seamless data exchange and real-time chatting using WebSockets
- Integrated Postgres for efficient data management, focusing on indexing and data consistency
- Reached a user-peak of 30 daily active users, facilitating 5 transactions, demonstrating usefulness to the student population