

# Minh Tai (Vincent) Le

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## EDUCATION

<b>San Jose State University</b> <i>Master of Science in Software Engineering, Specialization in Data Science</i>	San Jose, CA Aug. 2023 – Current
<b>California Polytechnic State University, San Luis Obispo</b> <i>Bachelor of Science in Computer Science</i>	San Luis Obispo, CA Sep. 2021 – Jun 2023

## EXPERIENCE

<b>Software Engineer Intern</b> <i>Flatirons AI</i>	Jun 2024 – Aug 2024 Remote
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- Redesigned and implemented 100% of the frontend for the data ingestion framework.
- Optimized the backend API in the data ingestion framework, resulting in a 30% improvement in data ingestion efficiency by streamlining the framework and leveraging cloud-based services.
- Integrated OpenAI's ChatGPT-4 model into Flatirons AI's chatbot, enhancing conversational capabilities with accurate and context-aware responses, and implemented a dynamic feedback loop to collect and analyze user feedback, improving response accuracy and user satisfaction over time.
- Enhanced the chatbot's frontend, driving a 20% increase in positive user feedback on functionality and user experience through iterative development and targeted feature improvements.
- Tech Stacks: React.js, Django, SQLite, Microsoft Azure, Python, OpenAI ChatGPT-4.

## PROJECTS

<b>JobFit</b>   <i>Node.js, Express, Google Gemini API, USAJobs API</i>	Aug 2024 – Dec 2024
<ul style="list-style-type: none"><li>Developed a web application using Node.js and Express to streamline job search functionality tailored to users.</li><li>Integrated Google Gemini API and USAJobs API to match users' resumes with job descriptions, delivering personalized job recommendations.</li><li>Designed and implemented backend features for resume parsing, job description analysis, and seamless API interactions.</li><li>Enhanced user experience by providing real-time job matches based on compatibility scores calculated via the Gemini API.</li></ul>	
<b>Pneumonia Detection</b>   <i>PyTorch, Tensorflow, Pandas, Matplotlib, Numpy, Git</i>	Jan 2024 – May 2024
<ul style="list-style-type: none"><li>Developed a Convolutional Neural Network (CNN) model using PyTorch and Tensorflow to detect pneumonia in chest X-ray images with 85% accuracy on the test set</li><li>Implemented a Vision Transformer (ViT) model, achieving a 93.8% accuracy on the test set by effectively capturing the spatial relationships in the chest X-ray images</li><li>Preprocessed and augmented a dataset of 5,000+ chest X-ray images, addressing challenges such as class imbalance and image quality variation</li></ul>	
<b>HrHub</b>   <i>Javascript, React, Node.js, MongoDB, Supertest, AWS, Git, Docker</i>	Aug 2023 – Dec 2023
<ul style="list-style-type: none"><li>Developed a full-stack HR portal, utilizing Node.js for the backend REST API and React for the responsive frontend</li><li>Scaled the application to handle over 2 million transactions and 200,000+ user profiles by deploying on AWS and implementing load balancing</li><li>Established CI/CD pipelines for automated code integration and deployment, ensuring frequent and reliable updates to the application</li></ul>	

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL (Postgres, MySQL), No SQL, JavaScript  
**Frameworks:** React.js, Node.js, Django  
**Libraries:** Pandas, NumPy, Matplotlib, PyTorch, Tensorflow, Supertest, Apache Spark, Hadoop Mapreduce  
**Developer Tools:** Git, Github, Docker, AWS, Visual Studio Code, Unix/Linux, Window, macOS