

Jacob P. T. Nguyen

Salinas, CA | (831) 905-7478 | jacobptnguyen@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

University of California, Davis

Davis, CA

B.S. in Computer Science, Minor in Statistics

Expected Graduation, Jun 2026

- GPA: 3.69 | Dean's Honors List
- Relevant Coursework: Machine Learning, Artificial Intelligence, Data Structures and Algorithms, Object-Oriented Programming, Database Systems, Algorithm Design and Analysis, Machine-Dependent Programming, Computer Architecture

PROJECTS

RepoResume.ai

Davis, CA

Project Creator

Jan 2026

- Built full-stack AI-powered resume generator (React 18, TypeScript, Supabase, PostgreSQL) integrating GitHub OAuth to analyze up to 100 repositories and generate tailored resumes/cover letters using OpenAI GPT-4o.
- Deployed production application on Vercel with PDF generation (jsPDF, html2canvas), intelligent project matching algorithm, and rate limiting (10 generations/month).

ML Model Manager

Davis, CA

Project Creator

Dec 2025

- Engineered MLOps platform supporting Logistic Regression, Random Forest, and XGBoost with automated hyperparameter tuning via GridSearchCV, enabling non-technical users to train and deploy classification models from CSV datasets.
- Built scalable FastAPI REST API with SQLAlchemy ORM, Pydantic validation, and pickle-based model persistence; deployed full-stack on Docker with React frontend (Vercel) and Python backend (Render).

Medical Appointments No-Show Predictor

Davis, CA

Project Creator

Nov 2025

- Engineered end-to-end ML pipeline on 110,527+ medical records, achieving 80.3% recall and ROC-AUC 0.7313 through Random Forest/XGBoost with SMOTE and GridSearchCV feature engineering.
- Deployed production-ready application on Vercel (React/TypeScript frontend) and Render (FastAPI backend) with Docker containerization and real-time prediction endpoints.

SKILLS

Languages: Python, JavaScript, TypeScript, HTML, CSS

Frontend: React 18, Vite, Tailwind CSS, Axios

Backend: FastAPI, Node.js/Express.js, SQLAlchemy, Pydantic

Databases: PostgreSQL, MongoDB

ML/Data Science: scikit-learn, XGBoost, pandas, GridSearchCV, SMOTE

DevOps/Deployment: Docker, Vercel, Render, Git, GitHub OAuth