DANH PHAM

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EXPERIENCE

Motate — Sheridan, Wyoming (Remote)
Software Engineering Intern — *Feb 2025 - Present*
- **Technologies:** React, ShadCN, Tailwind CSS, Python, FastAPI, AWS
- Led the creation and implementation of a comprehensive team management feature, enabling efficient team formation and collaboration for future platform growth
- Developed a reliable email verification process, strengthening account integrity and ensuring secure user onboarding for the platform's launch
- Spearheaded the development of a secure password reset system, significantly enhancing user account security and laying the groundwork for a robust user experience

Life Stages — Sacramento, CA (Remote)
Software Engineering Intern — *Sep 2023 - May 2024*
- **Technologies:** React Native, Node.js, Express.js, Firebase, Google Cloud Platform
- Built backend infrastructure with user registration functionality and validation mechanism using Firebase Authentication, ensuring data integrity and confidentiality through secure protocols
- Engineered a user preference selection feature and interact with REST API endpoints, optimizing Firestore database performance for seamless data retrieval and storage.
- Reduced post-launch error reports by **30% through systematic bug identification and resolution**, improving user satisfaction.

PROJECTS

NeuroPath | *React, TypeScript, Streamlit, Python, FastAPI, LangChain, Chroma, Supabase* — April 2025 – Present
- Build an AI-native learning platform using RAG system to generate personalized quizzes, study plans, and proctored exams from student uploaded documents
- https://github.com/danhpham2000/NeuroPath

WorkChatAI | *React, TypeScript, Python, Flask, LangChain, PostgreSQL, Socket.IO* — March 2025
- Developed an chat interface integrated with a collaborative workspace leveraging OpenAI LLM, enabling real-time content generation and seamless synchronization
- https://github.com/danhpham2000/WorkChatAI

BiteWise | *React, TypeScript, NestJS, MySQL, Google Cloud Platform, Docker, OpenAI API* — Sep 2024 – Dec 2024
- Implemented APIs with **NestJS** and designed the database schema with **5 main entities** for meal plan application, ensuring a robust and scalable backend system
- Optimized query response times by **40% through caching techniques**, enhancing performance and ensuring the page loaded within **2 seconds** under normal traffic
- Solved communication issues between frontend and backend, ensuring seamless data exchange and responsiveness for **100 concurrent users in stress tests**
- https://github.com/danhpham2000/csc648-848-05-fa24-T04

EDUCATION

San Francisco State University — San Francisco, CA
Bachelor of Science in Computer Science — *Dec 2024*

TECHNICAL SKILLS

Languages: Python, HTML/CSS, JavaScript, SQL, Java, C#, C/C++, PHP, TypeScript
Frameworks and Libraries: React, React Native, Next.js, Angular, Bootstrap, Sass, Tailwind CSS, Streamlit, FastAPI, Node.js, Express.js, Bun, Hono, NestJS, ASP.NET, Spring Boot, Hibernate, Sequelize, Mongoose, Prisma, TensorFlow, Keras, PyTorch, Pandas, NumPy, Matplotlib, Seaborn
Database: MySQL, PostgreSQL, SQLite, Microsoft SQL Server, MongoDB, Firebase, Redis, Pinecone, Chroma
Tools: AWS, Google Cloud Platform, Git, GitHub, Docker, JUnit, GraphQL, Tableau, Postman, Visual Studio Code, Jupyter Notebook, Google Colabs, IntelliJ