Dimitri E. Lavin

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Technical Skills

Languages: Python, JavaScript, TypeScript, HTML/CSS, Java, Swift, MATLAB, C, Objective-C, C++, SQL
Frameworks & Libraries: React, Next.js, React Native, Node.js, Flask, FastAPI, Vite, Spring Boot
ML/AI Libraries: scikit-learn, XGBoost, pandas, NumPy, TensorFlow, PyTorch, LightGBM, CatBoost
Databases: PostgreSQL, MySQL, SQLite, MongoDB
Tools & Technologies: Git/GitHub, VS Code, IntelliJ IDEA, AWS, Railway, Vercel, Render, Supabase
APIs & Services: Google Calendar API, Kaggle API, RESTful APIs
Project Management: Agile, Scrum, Software Development Life Cycle, Task Prioritization

Projects

Planno - Scheduling Platform 2024 - Present

- Developed a full-stack scheduling platform using Next.js, TypeScript, and React that helps church leaders create shareable booking links for interviews and meetings, enabling members to schedule directly from availability; deployed on Vercel with edge functions for calendar event creation and email notifications.
- Implemented Google Calendar integration for automatic meeting sync and Apple Calendar download support; built backend infrastructure with Supabase and PostgreSQL, implementing Row Level Security (RLS) policies for secure data access and dashboard sharing capabilities.

TastyFood - Food Ordering Platform 2024 - Present

- Built a full-stack food ordering platform using React with Vite (frontend) and Java Spring Boot (backend), deployed separately on Railway, enabling local restaurants to accept online orders directly from customers and eliminating 15-30% commission fees charged by third-party services.
- Implemented production-style engineering practices including modular backend architecture, reusable React components, secure authentication flows, and database integration with PostgreSQL and SQLite; designed role-based dashboards for customers, drivers, and restaurant staff with complete order management, payment processing, and delivery workflow systems.

Premier League MVP Predictor 2024 – Present

- Built an XGBoost regression model to predict Fantasy Premier League player performance and identify MVP candidates using comprehensive player statistics (goals, assists, clean sheets, influence, creativity, threat).
- Developed a FastAPI application with automated dataset downloading from Kaggle API, data preprocessing, feature scaling, and RESTful API endpoints; implemented CORS middleware and deployed on Render with real-time model predictions and scalable architecture.

Personal Portfolio Website 2021 – Present

- Developed a responsive, modern portfolio website featuring an About Me section, Technical Skills showcase, and interactive project cards with detailed descriptions, problem-solution breakdowns, and tech stacks for Planno, TastyFood, and Premier League MVP Predictor projects, along with seamless navigation and professional design.

Education

Southern Methodist University, Lyle School of Engineering Aug 2023 - Dec 2025

MS in Computer Science with Specialization in Artificial Intelligence; Major GPA: 3.5

University of North Carolina at Chapel Hill Aug 2018 - May 2022

BS in Computer Science and BA in Mathematics; Major GPA: 3.389

Experience

Ward Executive Secretary Oct 2024 - Present

The Church of Jesus Christ of Latter-Day Saints

- Organize meetings, prepare agendas, follow up on assignments, coordinate with ward leaders, and manage appointment scheduling for church leadership.

Computer Science Tutor Aug 2018 - May 2022

UNC Learning Center and Personal Tutoring

- Tutored high school and undergraduate students in programming (Python, Java, MATLAB) and advanced math topics; taught core computer science principles including recursion, data structures, and object-oriented programming.

Teachers' Assistant - APPL 101: Exploring Engineering Aug 2021 - Dec 2021

University of North Carolina at Chapel Hill

- Instructed MATLAB modeling techniques and provided assignment support to students.