# DIMITRI E. LAVIN

Charlotte, NC | dimitrilavin@gmail.com | 704.441.1704 | dimitrilavin.com | github.com/dimitrilavin88

## TECHNICAL SKILLS

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

## PROJECTS

### Planno - Scheduling Platform
2024 - Present
- Architected full-stack scheduling platform (Next.js, TypeScript, React) addressing meeting coordination conflicts. Solved via shareable booking links with real-time availability, enabling self-service scheduling eliminating back-and-forth communication. Integrated Google Calendar API for auto-sync and Apple Calendar downloads.
- Engineered Supabase/PostgreSQL backend with Row Level Security policies; deployed on Vercel with edge functions enabling calendar event creation and dashboard sharing.

### TastyFood - Food Ordering Platform
2024 - Present
- Designed full-stack ordering platform (React, Java Spring Boot) solving 15-30% revenue loss to third-party services. Eliminated commission fees through direct customer ordering via role-based dashboards, giving restaurants control over customer relationships.
- Implemented Spring Boot REST APIs, JWT authentication and PostgreSQL. Built React components for order management, payment processing, and delivery workflows; deployed on Railway for scalable microservices.

### Premier League MVP Predictor
2024 – Present
- Engineered XGBoost regression model replacing subjective MVP selection with data-driven analysis. Trained on player statistics (goals, assists, clean sheets, influence) to predict performance and identify top 25 MVP candidates.
- Built FastAPI application with Kaggle API dataset ingestion and preprocessing. Implemented RESTful endpoints for predictions; deployed on Render with CORS middleware enabling concurrent requests.

### Personal Portfolio Website
2021 – Present
- Developed responsive portfolio website showcasing projects with interactive cards, problem-solution narratives, and tech stacks. Implemented dark mode, smooth scrolling, and responsive design using HTML, CSS, and JavaScript.

## EDUCATION

### Southern Methodist University, Lyle School of Engineering
Aug 2023 - Dec 2025
*MS in Computer Science, AI Specialization; GPA: 3.5*

### University of North Carolina at Chapel Hill
Aug 2018 - May 2022
*BS in Computer Science, BA in Mathematics; GPA: 3.389*

## EXPERIENCE

### SPED Paraprofessional
Sept 2023 - Present
*Jefferson School District 251*
- Facilitate SPED instruction by developing behavioral and academic goals, implementing progress tracking, and guiding achievement.

### Ward Executive Secretary
Oct 2024 - Present
*The Church of Jesus Christ of Latter-Day Saints*
- Coordinate leadership operations by organizing meetings, preparing agendas, managing scheduling, and facilitating communication.

### Computer Science Tutor
Aug 2018 - May 2022
*UNC Learning Center and Personal Tutoring*
- Delivered instruction in programming (Python, Java, MATLAB) and advanced mathematics, emphasizing data structures, algorithms, and OOP.

### Teachers' Assistant - APPL 101: Exploring Engineering
Aug 2021 - Dec 2021
*University of North Carolina at Chapel Hill*
- Instructed MATLAB modeling and provided support for engineering assignments.