Tim Le

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EDUCATION

Duke University Durham, NC

B.S. Computer Science & Statistical Science (Double Major) | GPA: 3.8/4.0 Expected May 2028

- **Courses:** Data Structures & Algorithms, Algorithm Design & Analysis, Computer Architecture, Applied Machine Learning, Statistical Modeling
- **Extracurriculars:** Duke Applied Machine Learning, Duke University Lambda Phi Epsilon (Treasurer), Vietnamese Student Association, Blue Devil Barbells Powerlifting Club

RELEVANT EXPERIENCE

State Farm Bloomington, IL

Software Engineering Intern May 2026 - Aug. 2026

- Followed Agile methodology to integrate **Swift sidecar** services across **12 Credit Card Service Java REST APIs** deployed on **AWS ECS** and **Lambda**, reducing average response latency by **54%** through performance
- Remediated **30 Snyk vulnerabilities** across **3 REST APIs**, reducing critical findings to **0**, and supported **~4 service deployments/week** through **GitLab CI/CD, JFrog, automated testing, AWS CloudWatch, and Splunk**
- Launched a **technical wiki** for engineering workflows and developed a **Go-based Slack** bot within **24 hours** for a **5-person team**, automating interactive pre-meeting icebreakers and streamlining team communication

Duke University Data+ Durham, NC

Data Science Intern May 2025 - Jul. 2025

- Built a **Streamlit web application** to visualize public opinion trends across **5,521 survey respondents**
- Performed **data preprocessing, quality assessment, and survey-weighted analysis** using **R/Python**
- Presented a research poster to **400+ attendees**, translating data analysis into visualizations and insights

PROJECTS

myGymBro Apr. 2026 - Present

- Built a **Streamlit** AI fitness coach that integrated workout logs, goals, training frequency, and equipment access
- Implemented **RAG** with **132 sources**, using **all-MiniLM-L6-v2 embeddings** and **GPT-5** for contextual coaching
- Developed **3 XGBoost models** on **721 records**, evaluating results on **420 rows** with **MAE, RMSE, and accuracy**

Powerlifting Performance Regression Analysis Oct. 2025 - Dec. 2025

- Analyzed **1,154 IPF World University Powerlifting Cup records** to identify key predictors of strength
- Designed **generalized least squares regression models** accounting for **sex-specific variance** and evaluated competing specifications using **BIC, RMSE, and out-of-sample R^2** metrics across various exercise attempts

YOLO Fund Feb. 2025

- Led **4-person** team building **MERN** investment marketplace in **24 hours** for early-stage founders and investors
- Built **MongoDB** backend services and authentication for secure login, supporting core marketplace functionality
- Pitched the platform to **250+ attendees** at HackDuke 2025, earning **1st Place in the Finance Track**

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, Golang, TypeScript, R, SQL, C, MIPS Assembly, HTML, CSS

Libraries & Frameworks: Spring Boot, Node.js, Express.js, React.js, React Native, Streamlit, Shiny, Pandas, scikit-learn, PyTorch, XGBoost, Sentence Transformers

Cloud & DevOps: AWS (ECS, Lambda, CloudWatch), Terraform, Docker, Git, GitLab CI/CD, JFrog, Splunk, Snyk

Databases & APIs: MongoDB, REST APIs, OpenAI API, LiteLLM