

Jaedon Cox

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EDUCATION

University of Texas at Arlington Arlington, TX
Bachelor of Science in Computer Science | GPA: 3.6 May 2027
Coursework Completed: Linear Algebra, Fundamentals of SWE, Algorithms and Data Structures
Spring Coursework: Fundamentals of Machine Learning, Operating Systems, Databases

SKILLS

Languages: Java, Python, C/C++, React, Tailwind CSS, SQL
Developer Tools: Git (Version Control, Actions, Workflows), TensorFlow, PyTorch, Pandas, FastAPI, NumPy, XGBoost, Supabase, Next.js, Vercel, Render, Cloudflare, Claude Code

PROJECTS

Zentrikz (Python, XGBoost, Pandas, FastAPI, Supabase, Next.js, Vercel, Render)

- Built end-to-end data pipeline using pybaseball and MLB Stats API to process historical and current player data
- Trained and deployed multiple XGBoost models for 6 different prop types, leveraging SHAP for feature selection
- Automated daily pipeline generating predictions for batters across all MLB games (~1,000+ props/day) to identify +EV opportunities
- Developed and deployed a full-stack web app (<https://zentrikz.vercel.app>) for users

AI Stock Market Trader

- Gathered historical stock market data through a variety of APIs for 50 stocks
- Trained a basic feed forward neural network on opening vs closing prices given 40+ features that converged to a 58% accuracy
- Developed a full stack website that displayed the trend and prediction data

TECHNICAL WORK & ACHIEVEMENTS

Texas UIL Computer Science State Meet (Java Programming) May 2024

- 6th place individual and 4th place team

ADDITIONAL EXPERIENCE

Travel Sports Baseball August 2022 - Present

- Youth Umpire (Ages: 7-12); Officiate games fairly and manage coach disagreements