JONATHAN KAZMAIER

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EDUCATION

University of Kansas   **Expected Graduation: May 2027**
Bachelor of Computer Science   Kansas City
- Dean's List Honor Roll — **GPA: 4.0**
- Courses: Data Management, Data Mining and Knowledge Discovery, Intro to Data Science and Artificial Intelligence, Software Engineering, Embedded Systems, Probability and Statistics

WORK EXPERIENCE

Scale AI   **June 2024 — March 2025**
AI Mathematics Analyst
- Designed and authored advanced **algebra, calculus, and statistics** questions to train and evaluate advanced LLMs, guiding them through multi-step reasoning and reinforcement learning.
- Gained hands-on experience in **late-stage LLM training**, learning how to effectively steer model improvement and contribute to deployment-quality readiness.

UGA Finance   **January 2023 — August 2023**
Software Engineer Intern
- Designed **Apex** classes, triggers, and batch jobs to prepare, clean, and structure data for reporting and analytics use.
- Optimized **SOQL** queries and refactored test classes, reducing deployment validation runtime by **25%**, improving overall system performance and deployment speed.
- Collaborated with senior developers to build custom Salesforce UI features using **Lightning Web Components**, supporting real-time KPI and performance **dashboards** for internal teams.

PROJECTS

Fullstack NFL Database   **PostgreSQL | Python | SpringBoot | ReactJS**
- Scraped and processed large volumes of NFL data from public websites using **BeautifulSoup** and **Pandas**, transforming raw HTML into structured datasets and storing them in a **PostgreSQL** database.
- Built a **full-stack** web application using **SpringBoot** and **ReactJS**, providing an interactive platform for exploring NFL statistics with in-depth statistics pages and dynamic visualizations.

Combat Probability Modeling   **Python | Pandas | NumPy | Scikit-Learn | Matplotlib**
- Performed extensive **data normalization, modification, and imputation** on synthetic fictional character statistics.
- Built a **linear regression** model in **scikit-learn** that predicted character win probabilities to a C-V R^2 score of **0.973**.

DSA Visualizers   **Rust | Python**
- Created interactive algorithm visualizations using **Pygame** and **Macroquad** covering binary tree operations and pathfinding algorithms (BFS, DFS, A*), featuring real-time step-by-step execution in customizable configurations.

ACTIVITIES & LEADERSHIP

Hackathons
- Participated and led cross-functional teams at **HackKU**, **HackMidwest**, and **HackKState**, creating full-stack solutions in high-pressure environments, applying agile methodologies and collaborative problem-solving under tight deadlines.

International Programs Coordinator
- Organized and led **5** international trips for large groups of European Erasmus students, coordinating travel logistics, lodging, and on-site activities on multi-day trips, including sightseeing, hiking, and ski trips across multiple European countries.

TECHNICAL

Languages: Python, SQL, Java, Apex, C, C++, Rust, JavaScript, CSS, HTML5

Frameworks & Libraries: SpringBoot, ReactJS, BeautifulSoup, Pandas, NumPy, Scikit-learn, Matplotlib

Tools & Platforms: AWS (S3, Glue, Athena), PostgreSQL, Salesforce, Git