Evan Gruhlkey

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Education

Texas A&M University College Station, TX
Bachelor of Science in Computer Science *Aug 2023 – May 2027*

- GPA 3.9/4.0
- Relevant coursework: Data Structures and Algorithms, Machine Learning, Computer Organization, Programming Languages, Computer Graphics

Experience

Information Technology Intern Jun 2022 – Aug 2022
Comal ISD *New Braunfels, TX*

- Developed automation scripts using Python and PowerShell, reducing manual IT workload by 40% and improving system efficiency
- Refactored and optimized legacy code for internal security tools, cutting execution time by 30% and enhancing maintainability
- Integrated API-based security enhancements, strengthening authentication protocols and preventing unauthorized access

Projects

Convo AI | *JavaScript, React.js, Django, Python, PostgreSQL* Aug 2024 – Present

- Developed a full-stack AI-powered web application designed to help users improve their speaking skills through real-time AI-driven conversation practice
- Integrated OpenAI GPT APIs to provide instant feedback on grammar, pronunciation, and fluency, enhancing language learning experiences
- Designed a responsive UI with React.js, ensuring seamless user interactions and adaptive conversation flows
- Built a Django RESTful backend with PostgreSQL, implementing WebSockets for real-time conversation feedback

Allergyx | *React Native, JavaScript, Firebase, Python, TensorFlow, Scikit-learn, Node.js* Jan 2024 - Present

- Created a data-driven mobile application that predicts the likelihood of an allergy flare-up based on user history, food intake, and environmental factors
- Implemented machine learning models using Scikit-learn to analyze user data and provide personalized risk assessments
- Analyzed flare-up probabilities using statistical modeling and probability distributions to improve prediction accuracy and personalize user alerts

Monte Carlo Simulation | *Python, NumPy, Pandas, Matplotlib,* Aug 2023 - Present

- Developed a Monte Carlo simulation model to forecast the future value of an investment portfolio based on historical stock data and risk analysis
- Implemented Cholesky decomposition for multivariate normal distribution simulation, allowing for accurate modeling of portfolio returns
- Analyzed risk and return probabilities using statistical modeling and probability distributions, helping optimize investment strategies

Technical Skills

Languages: Java, Python, C/C++, SQL (Postgres), OCaml, JavaScript, HTML/CSS, R
Frameworks: React, Django, Flask, Firebase, TensorFlow, Scikit-learn, REST API
Developer Tools: Git, Docker, Google Cloud Platform, AWS, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: Pandas, NumPy, Matplotlib, Node.js
Certification: GIAC Foundational Cybersecurity Technologies