Daniel Zhang

832-886-7138 | zhangdaniel62@gmail.com | linkedin.com/in/zhangdaniel62

EDUCATION

Texas A&M University — College Station, TX
Bachelor of Science in Computer Science, Minor in Mathematics — *August 2023 - May 2027*

- **GPA:** 4.0
- **Relevant Coursework:** Design and Analysis of Algorithms, Computer Systems (OS interfaces, IPC, network programming), Computational Data Science, Discrete Mathematics, Linear Algebra, Differential Equations

EXPERIENCE

Software Engineering Intern — May 2025 – Present
Humana — *Louisville, KY*

- Saved 600 hours of manual effort by developing a Python and pandas terminal tool to automate Azure DevOps work item creation after the collection and validation of data, reducing per-item creation time by 90%.
- Assisting in the migration of 1,300 Azure DevOps classic pipelines to YAML-based pipelines, improving maintainability and standardizing CI/CD processes
- Built a full-stack meeting summarization application using React, Tailwind CSS, Node.js, Python, and GPT-4o mini to process transcripts and generate summaries and meeting metrics
- Collaborated in a SAFe Agile environment across multiple sprint cycles with Scrum Masters and an Agile Coach, participating in sprint planning, backlog refinement, and retrospectives

Developer & Project Coordinator — Jan. 2024 – Present
Aggie Coding Club — *College Station, TX*

- Led a group of over 35 students to create a full-stack web application to track course availability
- Implemented an Agile workflow to increase output and streamline the development of different processes across the team
- Launched the application after months of development to great success, with over 2000 concurrent users

PROJECTS

AggieSeek | *React, Python, Flask, Docker, AWS Lambda, Firebase, and more* — Jan. 2024 – Present

- Designed and implemented a Python and pandas data pipeline to collect, validate, and process course data
- Built a Flask-based REST API to extract enrollment data from the Compass system, enabling real-time course updates and connecting frontend and backend systems
- Managed a PostgreSQL database on Amazon RDS to store course and user information
- Containerized the application with Docker and deployed it on a virtual Linux server

Badminton Officer System | *SQL, Python* — Aug. 2024 – Present

- Developed a custom in-house application designed for officers to track and manage cash flow and tasks efficiently
- Implemented a relational database management system using SQL, ensuring prompt, accurate data storage and retrieval
- Collaborated with experienced database professionals to ensure the application's reliability and performance
- Application facilitated the management of hundreds of club members and their statuses during deployment, ensuring up-to-date and accurate tracking

TECHNICAL SKILLS

Languages: Python, C/C++, Java, Haskell, SQL, JavaScript, TypeScript, HTML, CSS
Frameworks: PostgreSQL, React, Tailwind CSS, Node.js, Flask, React Native
Developer Tools: Git, VS Code, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib