

# YANBO (AARON) ZHAO

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## EDUCATION

**The University of Texas at Austin**, Austin, TX

*Expected: May 2027*

*Bachelor of Science, Computer Science, Minor in Statistics and Data Science, GPA: 3.5*

**Focus: Software Engineering, Backend Systems, Data-Driven Applications**

## SKILLS

**Programming Languages:** Java, Python, IBM Informix, R Studio, C, SQL

**Software Engineering:** Backend & Full-Stack Development, REST API Design, System Integration

**Data & Databases:** Relational Databases (PostgreSQL, SQLite), Data Modeling

**Tools & Platforms:** Docker, Git, Linux-based Development Environments

**Frontend & Testing:** React.js, Mocha.js

**Languages:** Mandarin Chinese (native), English (fluent), German (communicational)

## EXPERIENCES

**Application Development Intern**

June 2025 – August 2025

*Four Js Development Tools*

- Built and maintained backend-driven enterprise applications to replace manual business workflows, improving reliability and operational efficiency for production systems.
- Collaborated with an German international engineering team to translate business requirements into production-ready software features across development and client-facing contexts.
- Contributed across the full software development lifecycle, including requirements analysis, implementation, testing, and deployment within real-world enterprise constraints.

**YouTube Content Creator**

April 2020 – Present

*Self-Employed*

- Produced 60+ technical-focused aviation videos, translating complex systems and concepts into accessible content for a 3,100+ subscriber audience.
- Demonstrated strong technical storytelling and audience-aware communication skills by breaking down complex engineering and aviation systems for a non-technical audience, driving sustained engagement and organic channel growth.

## PROJECTS

**Resonify: Artist & Concert Database Platform (Team Development)**

December 2025

- Built a full-stack, data-driven web application aggregating and managing 300+ artist and venue entities, enabling structured search, filtering, and ranking over relational datasets.
- Designed and implemented RESTful APIs and backend data models to support scalable data access and containerized deployment.

**Genero File Browsing Dialog (Internship – Four Js Development Tools)**

August 2025

- Developed a reusable file navigation component for enterprise applications, improving usability and reducing duplicated file-handling logic across internal systems.
- Designed for seamless integration into mission-critical systems with minimal configuration overhead.

**Genero Order Processing Application (Internship – Four Js Development Tools)**

August 2025

- Built an internal order processing system to automate a paper-based licensing workflow, implementing input validation and email integration to reduce manual errors and processing time.
- Implemented structured input validation to ensure data integrity across multiple request types.

**Weather Forecasting App (Self Development)**

May 2025

- Built a Java-based application integrating external weather and geolocation APIs, handling real-time data retrieval and structured JSON processing.

## LEADERSHIP & COMMUNITY INVOLVEMENT

**UT Student Government - International Student Agency**

October 2023 - May 2024

*Outreach Coordinator*

- Led outreach initiatives connecting international students with campus resources, coordinating across student organizations and university offices.

**Association for Computing Machinery (ACM), UT Austin**

October 2023 - Present

- Active member participating in technical workshops, industry talks, and networking events focused on software engineering and computing fundamentals.