# ANNA ZHAO

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## EDUCATION

**Georgia Institute of Technology (GT)** | 4.00/4.00          *Atlanta, GA*
**B.S. Computer Science**          **May 2028**
- **Minor in Computing and Business** — Denning Technology and Management Program
- **Concentrations:** Artificial Intelligence, Human Computer Interaction
- **Coursework**: Linear Algebra, Object Oriented Programming, Data Structures & Algorithms, Multivariable Calculus

## PROGRAMMING SKILLS AND TOOLS

**Languages:** Proficient in **Java, Python, JavaScript, Swift, HTML, CSS**; Familiar with **SQL, C++, C, Assembly**
**Tools:** Proficient in **Git, GitHub, Figma, LaTeX, Power Automate, Agile Development, Microsoft Office**

## EXPERIENCE

**Software Engineer Intern**          **May 2025 − Aug 2025**
Parker Hannifin          *Cleveland, OH*
- Streamlined billion dollar **merger, acquisition, and divestiture** processes by **20%** for parker.com product owners by creating a backend Power Automate flow leveraging GPT-4o to bridge business requirements and technical user stories
- Created a Distributor Results webpage in **Next.js** to allow Parker Customer Support to connect end-users with nearby distributor stores based on the selected Parker Division, location, and radius saving **5 hrs/week** of data entry time
- Integrated Parker Division database and Google Maps API to frontend for intuitive search and location mapping
- Contributed to Agile software development cycles by presenting in daily standup, sprint demos, and card movement

**Website Developer**          **Aug 2023 − May 2024**
The Beachcomber          *Beachwood, OH*
- Redesigned the website layout for Beachwood's student-run newspaper and frontend user experience using Bootstrap
- Boosted online engagement with news articles by **37%**, leading to increased community involvement and activism
- Performed regular site maintenance and updates adding new features such as Meet The Staff and Highlighted Stories

## PROGRAMMING PROJECTS

**Food Fairy** | *HackGT Hackathon*          **Sep 2025**
- Led a team of non-technical members to build a **Django** food service web app that minimizes waste at Georgia Tech by a projected **30%** through safe and sustainable food sharing
- Used OpenAI's GPT-5 mini to recommend available foods based on user's previous claims using factors such as location

**Lofi Loop** | *GT Web Development Club*          **Jan 2025 − May 2025**
- Developed a public music platform that uses machine learning to generate personalized lo-fi beats for productivity with AI image generation for album covers and song titles
- Incorporated global chat and protected sign-on functionality capable of supporting **300+ simultaneous users**
- Designed UI using Figma and developed **full stack** code using MongoDB, Express.js, React.js, and Node.js

**Gloop Drop** | *Mobile Game*          **Feb 2024**
- Programmed a multi-level, **interactive game** using Swift and SpriteKit on Xcode, playable across multiple iOS devices
- Implemented a scoring system, animations, and touch-based physics interactions to enhance player experience

## LEADERSHIP AND COMMUNITY ENGAGEMENT

**Mentor** | *GT Global Leadership Living Learning Community*          **Aug 2024 − Present**
- Prototyped a water aeration device to target malaria in Nigeria aligned with the UN Sustainable Development Goals
- Presented the proposed device grant as a speaker at the **2025 Atlanta Global Studies Symposium**
- Engage in a mentorship program of 300+ members, fostering peer-to-peer connections and professional development

**Events Committee** | *GT Chinese Student Association*          **Aug 2024 − Present**
- Plan and lead monthly general body meetings for around 800 club members to celebrate and share Chinese culture
- Expanded club outreach to **200+ new students** as Freshman Representative through targeted social media campaigns

## ADDITIONAL SKILLS AND INTERESTS

**Languages**     Mandarin (Chinese) – fluent, English – fluent
**Interests**     Tennis, Soccer, Hiking, Music (Violin and Piano), Sewing Clothes, Forestry, Girls Who Code