

Katie Dao

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EDUCATION

- **University of Georgia, Franklin College of Arts & Sciences** Athens, GA
Bachelor of Science in Computer Science *August 2021 - July 2025*

SKILLS

- **Languages:** C++, Java, Python, C, JavaScript, HTML, CSS
- **Frameworks/Libraries:** React, Next.js, Node.js, Spring Boot, JavaFX, Three.js
- **Tools/Technologies:** Git, SQL, REST APIs, VS Code, Linux, Vercel

RELEVANT COURSEWORK (COMPUTER SCIENCE)

- **Programming:** Data Structures, Algorithms, Systems Programming, Web Programming
- **Theory:** Discrete Mathematics, Theory of Computation, Numerical Methods, Computer Architecture
- **Software/UX:** Software Engineering, Software Development, Human-Computer Interaction
- **Math:** Linear Algebra, Calculus I

BUSINESS & ANALYTICS COURSEWORK

- **Accounting & Economics:** Principles of Accounting I & II, Macroeconomics
- **Statistics & Information Systems:** Applied Statistics and Data Analysis, Introduction to Information Systems
- **Business Law & Personal Finance:** Legal and Regulatory Environment of Business, Introduction to Personal Finance

PROJECTS

- **Brainrot Quiz:** Built and deployed an interactive branching quiz using React, TypeScript, and Vite. Designed multi-scene story routing, result scoring logic, mobile-first UI, and custom result-sharing flows including native share support and downloadable result cards.
Live: <https://brainrotquiz.xyz> **Portfolio:** <https://katiedao.dev>
- **SlayTix – Movie Ticket Booking Platform:** Full-stack web app using Next.js and Spring Boot. Developed user login, registration, billing input, and admin dashboards for showtime management. Styled components with CSS Modules and resolved CORS/authentication issues.
GitHub: <https://github.com/mayoicing/swe-project>
- **plAIlIst – UGAHacks Hackathon Project:** Created a web app that generates personalized music playlists based on any user-inputted word or phrase using the OpenAI API. Focused on prompt engineering, creative UI/UX, and dynamic playlist generation.
GitHub: <https://github.com/DennyYe32/plailist>
- **PixelPets – Card Trading Platform:** Designed and implemented a dynamic card trading website where users could browse, search, and trade virtual cards. Developed responsive front-end layouts, interactive card modals, and basic user account handling.
GitHub: <https://github.com/mpelot/PixelPets>
- **Cat Café 3D Scene – Three.js:** Created a 3D cat café with animated objects and an interactive camera using Three.js. Modeled furniture and animal figures with hierarchical scene graphs and custom textures.

HONORS & INVOLVEMENT

- Dean's List (2 semesters), HOPE Scholarship Recipient
- Alpha Sigma Rho Sorority Inc. – Alumni Chair Head, Web Admin
- Girlsdotcode (girls.code()), ACM at UGA, Vietnamese Student Association (VSA)