

Katelynn Nguyen

katelynn@gatech.edu | [linkedin/katelynn-n6](https://www.linkedin.com/in/katelynn-n6) | [github/katelynn-n6](https://github.com/katelynn-n6) | 470-723-3397

EDUCATION

Georgia Institute of Technology (GPA: 3.97)

Atlanta, GA

Bachelor of Science in Computer Science, Minor in Japanese

Aug 2021 - Dec 2024

- **Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Assembly & Organization, Databases, UI Software, Information Visualization, Objects & Design, Computer Graphics, Applied Combinatorics, Discrete Math
- **Extracurriculars:** GT WebDev, VGDev, Vietnamese Student Association, Women @ College of Computing

EXPERIENCE

Datadog | TypeScript, React, Go, GraphQL, Jest, Jira

New York, NY

Software Engineering Intern

Jan 2024 - Apr 2024

- Developed a dynamic user interface for starting new deployments from Datadog's internal software delivery platform through **React** and **TypeScript**, offering a more streamlined and intuitive deployment process.
- Collaborated with senior engineers and product designers to enhance the scalability and robustness of the **CI/CD** pipeline, optimizing the monitoring and logging of the performance of deployments.
- Actively troubleshooted and debugged production issues, communicating with users to identify UX issues and bugs.
- Tested quality and reliable code using **Jest** and unit testing, supplemented with user-facing documentation.

UKG (Ultimate Kronos Group) | Java, TypeScript, Angular, MongoDB, Jira

Atlanta, GA

Software Engineering Intern

Jan 2023 - Apr 2023

- Developed a new feature on the integrations dashboard for cloning users' integrations, increasing efficiency.
- Worked with other Integration Platform engineers to implement the new feature using **Angular** (NgRx), **TypeScript**, and **Java**, following best software development practices, such as code reviews and unit-testing.
- Demonstrated a wide breadth of full-stack technical knowledge including APIs, DBs, and UI development.
- Applied knowledge of **CQRS** architecture to maintain the scalability and resilience of the integrations dashboard.
- Utilized **Jira** and **Bitbucket** to manage project tasks and version control, ensuring smooth code contributions.

Vertically Integrated Projects at Georgia Tech | C#, Unity

Atlanta, GA

Implementation Student Leader

Jan 2022 - Dec 2023

- Developed a video game to simulate the impact of climate change on the electric power grid, focusing on wildfires.
- Managed the project as a student leader and SCRUM master by onboarding new members and assigning new issues.
- Learned about optimization and learning theory through gamification and educational technology.

College of Computing at Georgia Tech | Java, OOP

Atlanta, GA

Undergraduate Teaching Assistant

May 2022 - Aug 2022

- Demonstrated strong leadership skills and a deep understanding of programming fundamentals as a TA for CS 1331: **Object-Oriented Programming**, managing a class of 75+ students.
- Conducted weekly recitations and office hours to explain **Java** principles in-depth and guide students.

PROJECTS

Spotify Jukebox | JavaScript, React, Next.js, SST, AWS, Node, DynamoDB

Jan 2023 - Apr 2023

- Developed a full-stack **Next.js** and **DynamoDB** web application for users to use "virtual jukeboxes" to select songs in a host's queue through voting, offering a more collaborative and engaging music experience.
- Migrated the frontend from a client to server-side framework (Chakra to **Radix UI**), improving the website's visual design, ensuring a consistent interface across platforms, and significantly reducing rendering times.
- Utilized **AWS Lambda**, **Serverless Stack Toolkit**, and **Spotify API** to serve and implement the application.

Tekkanji | JavaScript, React, Express, Node

Jul 2022 - Apr 2023

- Created and deployed a full-stack web application for students to learn and review the 322 kanji characters introduced by JAPN 1001-3001 at Georgia Tech, which is now regularly used by the Japanese department.
- Bootstrapped frontend with **React** and accessed data from the **KanjiAlive API** with an **Express** backend.

SKILLS

- **Languages:** Java, TypeScript, JavaScript, Python, SQL, Go, C/C#, HTML/CSS
- **Technologies:** React, Next.js, Angular, Express, Node, MySQL, MongoDB, DynamoDB, GraphQL, AWS
- **Developer Tools:** Git, Jira, Bitbucket, Jest, Docker, Figma, IntelliJ, Visual Studio Code, Unity, Android Studio