

Andrew Li

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EDUCATION

Duke University, Durham, NC

Expected graduation: May 2027

- Major: Computer Science
- GPA: 3.96
- Relevant Coursework: Design and Analysis of Algorithms, Database Systems, Intro to Applied Machine Learning

TECHNICAL EXPERIENCE

SRCUACS, *Student Developer Intern*, Durham, NC

August 2024 - Present

- Develop user-facing features for a community school web app using Ruby on Rails and JavaScript, including an individualized admin login system to enhance security and access control.
- Coordinate with community leaders to expand the website to 2 new counties, adding 40+ schools and 500+ curated resources for local families.
- Presented the project at the 2025 National Community Schools and Family Engagement Conference, highlighting the tool's role in connecting families with public resources.

Duke CS+, *Web Privacy Researcher*, Durham, NC

May 2025 - July 2025

- Conducted a large-scale web measurement study targeting fingerprinting-based cookie respawning.
- Analyzed data from over 2.5 million cookies, using custom Python scripts to filter for tracking behavior and identify fingerprinting patterns.
- Co-authoring a research paper with a faculty mentor and peer, targeting submission in Fall 2025.

Duke Code+, *Software Engineering Intern*, Durham, NC

May 2024 - July 2024

- Created a dynamic web application visualizing 97 public schools and 1,591 surrounding resources across 6 counties in North Carolina, providing valuable community context for residents.
- Designed and implemented key features including an interactive map, list view, and user-friendly admin interface for efficient data curation and management.

LEADERSHIP AND SERVICE

Duke Swimming and Diving, *Varsity Athlete*, Durham, NC

August 2023 - Present

- Balance 20+ hours a week of rigorous training, travel, and competition alongside academic responsibilities.
- Commit and contribute to a competitive environment with 60+ teammates, coaches, and staff.

CS101, *Undergraduate Teaching Assistant*, Durham, NC

August 2024 - December 2024

- Led a lab of 19 students with one other UTA, providing guidance and helping students grasp core concepts.
- Delivered clear explanations during office hours, adapting teaching strategies to meet diverse learning styles.

Duke ACE, *Participant*, Coale, Panama

May 2024

- Selected through an application process to a small group of 12 student athletes across a variety of sports.
- Facilitated a volleyball camp at a rural elementary school, gaining leadership and collaboration skills.

Private Swim Coach, Apex, NC

Summer 2022, 2023, 2024, 2025

- Coached and mentored 25 children from an age range of 6 to 16, enhancing their swimming technique and confidence both in and out of the water.
- Tailored coaching techniques to accommodate various skill levels, guiding swimmers from learning basic skills to achieving milestones such as state championship titles.

PERSONAL PROJECTS

Food Point Manager

August 2025

- Developed a full-stack web app allowing Duke students to track food point usage, view cumulative spending analytics, and identify eating habits using React, Express, Prisma, and PostgreSQL.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, Java

Frameworks and Tools: React, Ruby on Rails, Express.js, Prisma, PostgreSQL, Git, Docker