Andrew Li

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EDUCATION

Duke University, Durham, NC   **Expected graduation: May 2027**
- Major: Computer Science.
- GPA: 4.0.

INDUSTRY EXPERIENCE

Duke OIT, *Student Developer Intern*, Durham, NC   **September 2024 - Present**
- Enhance and refine the web application originally created during Duke Code+, implementing new features and enhancing current functionality.
- Coordinate with community leaders to expand the scope of the website to new counties in North Carolina.

Duke Code+, *Full-Stack Software Engineering Intern*, Durham, NC   **May 2024 - July 2024**
- Created a dynamic web application that currently visualizes 50 NC public schools and 794 surrounding resources, providing valuable context for residents about their communities.
- Designed features including an interactive map, a list view, and a user-friendly admin interface for data curation.
- Collaborated with students, team leads, stakeholders, and sponsors to build a comprehensive solution using Ruby on Rails, JavaScript, and PostgreSQL.
- Acquired practical experience with external APIs, UNIX command line operations, and industry-standard technologies such as Git and Docker.

ATHLETIC AND LEADERSHIP EXPERIENCE

Duke Swimming and Diving, *Varsity Athlete*, Durham NC   **August 2023 - Present**
- Balance 20+ hours a week of rigorous training, travel, and competition with academic responsibilities.
- Commit and contribute to a competitive environment with 60+ teammates, coaches, and staff.

CS101, *Undergraduate Teaching Assistant*, Durham NC   **August 2024 - Present**
- Lead a lab of 19 students with one other UTA, providing guidance and helping students grasp core concepts.
- Deliver clear explanations during office hours, adapting teaching strategies to meet diverse learning styles.

Duke Applied Machine Learning, *Software Division Club Member*, Durham NC   **February 2023 - Present**
- Collaborate with peers to build advanced projects, including an event-hosting management platform.

Duke ACE, *Participant*, Cocle, Panama   **May 2024**
- Selected through an application process to a small group of 12 student athletes across a variety of sports.
- Planned and facilitated an after-school volleyball camp at a rural elementary school, gaining leadership and collaboration skills.
- Learned the power and value of community through active engagement with local residents and fellow volunteers.

Private Swim Coach, Apex, NC   **Summer 2022, 2023, 2024**
- Coached and mentored approximately 20 children, aged 6 to 16, enhancing their swimming skills 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

Duke Food Web App   **May 2024**
- Developed a full-stack web application using React, Express.js, and MongoDB to help Duke students track their meals and view summary statistics.
- Deployed the app using AWS EC2, Docker, and Amazon Amplify, and configured DNS routing to integrate both the frontend and backend with a custom domain.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python
Web Development: React, Ruby on Rails, Express.js, Tailwind CSS, Bootstrap CSS, HTML Canvas
Tools and Technologies: Git, Docker, UNIX command line, AWS EC2