Andrew Li

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EDUCATION

Duke University, Durham, NC   Expected graduation: May 2027
- Planned major: Computer Science.
- Unweighted GPA: 4.0.

INDUSTRY EXPERIENCE

Full-Stack Software Engineering Intern, Duke Code+, 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 what makes their community rich. Key features include 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.
- Integrated third-party APIs, including the Google Maps JavaScript API and OpenRouteService API to provide mapping and route distance functionalities.
- Acquired practical experience with UNIX command line operations and industry-standard technologies such as Git and Docker.
- Visit the website: https://community-capital-test.oit.duke.edu/

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 Nginx and DNS routing to integrate the frontend and backend with a custom domain.
- Visit the website: https://www.dukefood-test.com/

COMPLEMENTARY EXPERIENCE

Varsity Athlete, Duke Swim and Dive, Durham, NC   August 2023 - Present
- Balanced rigorous training with academic responsibilities, cultivating strong time management skills.
- Exhibited discipline and a strong work ethic through consistent commitment, resulting in competitive success.
- Developed a growth mindset, demonstrating perseverance and resilience while overcoming challenges.

Club Member, Duke Applied Machine Learning, Durham NC   February 2023 - Present
- Participated in weekly workshops to learn the basics of web development and React.

Volunteer, Duke ACE, Cocle, Panama   May 2024
- 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.
- Adapted coaching techniques to accommodate various skill levels, guiding swimmers from learning basic skills to achieving milestones such as state championship titles.
- Facilitated effective communication with parents to schedule lessons, address concerns, and ensure a high level of client satisfaction.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, Ruby, Swift, Bash, YAML
Web Development: Ruby on Rails, React, Express.js, HTML Canvas, Tailwind CSS, Bootstrap CSS, Nginx
Databases: PostgreSQL, MongoDB
Tools and Technologies: Git, Docker, UNIX command line, AWS EC2, Amazon Amplify, DNS configuration