Annabel Edwards

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Education

Northwestern University - Evanston, IL, June 2024
Bachelor of Arts in Computer Science and Environmental Policy and Culture
Relevant Coursework: Scalable Software Structures, Agile Software Development, Machine Learning, Full Stack SWE
GPA: 3.95/4.00

Technical Skills

Programming Languages: Python, C/C++, JavaScript, TypeScript, SQL
Web Development: HTML, CSS, React.js, Next.js, Node.js, Flask, Django, Tailwind CSS, Spring Boot
Libraries/Frameworks: NumPy, pandas, Material-UI, sklearn
Platforms/Tools: AWS, Azure, Microsoft Suite

Projects

Wildcat Quest - Northwestern University, September 2024, https://wildcatquest-b1eb7.web.app/
- Collaboratively developed Wildcat Quest, a gamification web app to enhance student habits, leveraging Firebase for secure authentication, efficient data storage, and live updates to boost user interaction and satisfaction.
- Built a responsive and intuitive user interface using the React Framework, implementing state management and context API for real-time, performance-efficient data handling, ensuring a seamless user experience.

GrooveVault - September 2023 - December 2023
- Engineered 'GrooveVault', a cloud-based music platform on AWS, evolved from an EC2 framework to Elastic Beanstalk and finally to a serverless architecture using Lambda functions and RESTful API; integrated RDS for intricate data management and S3 for robust file storage.
- Designed Client-side features to allow user interaction with personal playlists and profiles, and facilitated music streaming and downloading, maintaining a balance between client needs and server-side efficiency.

Photo App (Instagram Clone) - March 2022 - June 2022
- Built a comprehensive photo-sharing application, handling everything from database integration and web server setup to user authentication and front-end development.
- Coded an engaging user interface and employed Flask & SQLAlchemy for creating a dependable web server and REST API, achieving deployment and user adoption.

Internship and Related Experience

P33, Chicago, Illinois
Founder's Team Intern, June 2023 - August 2023
- Developed a comprehensive internal dashboard with R, HTML, CSS for P33, a Chicago non-profit aiding tech talent in women, BIPOC founders, displaying multi-year stats and trends of P33's contributions to the tech industry.
- Executed TechChicago Week Capital Summit, an event with over 150 investors and 200 early-stage founders of all backgrounds to raise capital and scale their businesses.

Wildhacks, Evanston, IL. https://www.wildhacks.net/
Technology Team Member, May 2023 - Present
- Developed the landing page and navigation bar for the WildHacks website, visited by hundreds of users.
- Collaborated weekly with a 4-person team to conceptualize, design, and implement a comprehensive web page and database, facilitating seamless user registration for the Northwestern Hackathon Wildhacks.
- Organized and executed Wildhacks with over 300 participants from around the country.

Climate Change Research Group, Evanston, Illinois
Research Assistant, June 2022 - August 2022
- Programmed sophisticated Python algorithms to project carbon emission trends in the Chicago area, focusing on the potential impact of a complete shift to electric vehicles.

Additional

Activities: Northwestern University Sailing Team - Captain; Associated Student Government - Sustainability and Energy Efficiency Committees; Northwestern Computer Science Peer Mentor - Introduction to Artificial Intelligence; Effective Altruism; Northwestern AI Club; Dean's List awarded every quarter; Certificate of Honor - Environmental Policy and Culture Department
Interests: Sustainable and Green Tech, Artificial Intelligence, Tennis, Sailing, Scuba Diving