

Millie Kembe

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EDUCATION

University of North Carolina at Chapel Hill

Chapel Hill, NC

Bachelor of Science in Computer Science, Cumulative GPA: 3.929

Expected May 2026

Awards/Honors: UNC Scholars Program, Carolina Covenant Scholar, James M. Johnston Scholar, Dean's List

Relevant Coursework: Data Structures and Algorithms, Discrete Structures, Foundations of Programming, Foundations of Software Engineering, Computer Organization, Models of Languages and Computation, Systems Fundamentals

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, HTML/CSS, C, C#, C++, Swift

Technologies: .NET, Flask, SwiftUI, Next.js, Git, Unity, Arduino, Vim, Azure Storage, Firebase, Express, Linux

Certifications: Microsoft Certified: Azure AI Fundamentals, Wells Fargo Software Engineering Job Simulation Certificate

WORK EXPERIENCE

Microsoft

Charlotte, NC

Software Engineering Intern

May 2024 – Aug 2024

- Migrated the storage backing of CRS, a service that processes billing and deferral data for Microsoft's subscription-based transactions, from costly and temperamental SQL Managed Instances to Azure Blob Storage, resulting in \$3 million in annual savings.
- Refactored CRS processor code to enable seamless read and write capabilities to Azure Blob Storage using C# and .NET.
- Engineered an Azure Functions-based solution for the migration of data to Blob Storage, ensuring a smooth transition during planned downtime.

App Team Carolina

Chapel Hill, NC

iOS Developer

Jan 2023 – Present

- Facilitated maintenance and development of new features for Bubbly, an iPad game consisting of targeted brain training exercises to help improve vision in children and adolescents with Cortical Visual Impairment (CVI).
- Architected principle features for a mobile app to streamline inventory management and distribution for a \$14,000+ university-funded food pantry serving students facing food insecurity.

PROJECTS

MixMatch | Full Stack Music-Based Social Networking Platform

- Architected and implemented a robust Express.js backend leveraging Axios for client-side HTTP requests and Spotify's Web API for real-time music data, decreasing average response time to under 400 ms for critical user requests.
- Engineered React front-end components optimized for efficient integration with Firebase Firestore, reducing database read operations by 65% and significantly improving overall performance.

SafeRides | JPMorgan Chase & Co. Code for Good Hackathon Project for Mothers Against Drunk Driving

- Spearheaded rapid development of mobile app with features enabling location tracking and coordination of safe rides home after alcohol consumption.
- Integrated Google Maps API into React frontend to enable real-time visualization of user locations.

MillieKembe.com | Personal Portfolio Website

- Constructed an interactive, responsive portfolio website using React, Tailwind CSS, and Framer Motion.
- Leveraged Vercel's analytics to identify and resolve performance bottlenecks, improving page load speed by 15%.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow

Washington, DC

Career Preparation Fellow

Jan 2024 – Present

- Accepted into a selective 18-month professional development program for high-achieving diverse talent.
- Attend conferences hosted by industry leaders, such as Deloitte, LinkedIn, and Target.

Black in Technology @ UNC

Chapel Hill, NC

Programming Co-Chair

May 2023 – Present

- Designed 5+ engaging social and general body events per semester for a 100+ member organization, partnering with UNC's Computer Science department and companies such as Google, Fidelity, and Vanguard.
- Drove membership growth over 2 semesters by strategically delegating tasks, and maintaining active calendar of diversity and inclusion events.