Caleb Free

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EDUCATION   August 2024

UNC Chapel Hill, Chapel Hill, NC

- Bachelor of Science in Computer Science (Expected December 2026)
- Cumulative GPA: 3.925/4.0
- Relevant Coursework: Systems Fundamentals; Discrete Mathematics; Foundations of Programming

UNC Greensboro, Greensboro, NC

- Attended August 2022-May2024
- Cumulative GPA: 4.0/4.0 Chancellor's List 2022-2024
- Relevant Coursework: Computer Organization/Assembly Language; Advanced Data Structures/Algorithms

WORK EXPERIENCE

6-Tech Walk in Center, Greensboro, NC   January-May 2024

Information Technology Services

- Assisted in the maintenance, upkeep, and loaning of over 30 university laptops to students, faculty, and staff.
- Worked diligently with an average of 10-20 university members each shift, troubleshooting and solving device related issues efficiently.
- Constantly collaborated with other 6-Tech team members to address problems that required unique expertise to fix.

Woodlake Country Club, Vass, NC   June 2022-May 2024

Golf Course Maintenance Associate

- Joined a team of 15 to restore and maintain the Wood Lake Golf Course after a decade of unuse.
- Oversaw and advised new team members in performing complex tasks in an efficient and safe manner in temperatures upwards of 100 degrees.

Activities/Projects

Bookly AI

- Developed Bookly AI, which leveraged Next,js along with Magic UI for the front end and Fast API for the back end.
- Designed a seamless pipeline to pass Base64-encoded image data from the Next.js front end to the FastAPI backend, leveraging OpenAI's capabilities for image analysis and information extraction.
- Deployed front end on Vercel for optimized Next.js performance and the back end on Render for scalable API deployment and serverless functionality.

TechX Lyceum Committee

- Member of TechX Society, a selective, rush-gated computer science organization at UNC focused on full-stack development and startup culture.
- Mentor in the Lyceum committee, guiding new members from diverse coding backgrounds to develop their technical skills and meet TechX standards.

Skills

- **Programming Languages:** Java, Python, C, TypeScript, x86 Assembly, LaTEX
- **Web Development:** HTML, CSS, React.js, Next.js
- **Frameworks/Tools:** FastAPI, Git, VS Code