Christopher Barfield Jr.

(804)-704-1568 | cdb8da@virginia.edu | linkedin.com/in/barfieldjr | barfieldjr.com

EDUCATION

University of Virginia | Charlottesville, VA
Bachelor of Science: Computer Science | Minor: Data Science   May 2024
Relevant Coursework: Software Development Methods - Programming and Data Representation - Intro to Data Science - Linear Algebra - Theory of Computation - Machine Learning - Data Privacy in Machine Learning - Computer Architecture - Algorithms

PROFESSIONAL EXPERIENCE

Freelance | *Full Stack Developer (Web Development)*   March 2022-Present
- Developed and Deployed Full Stack website for NSBE at UVA utilizing ReactJs, NodeJs, and Google Cloud Platform. **(NSBE at UVA)**
- Developed the first official website for Albemarle County Public Schools National Society of Black Engineers Jr Chapter.
- Developing the first official website for the Lambda Zeta Chapter of Omega Psi Phi Fraternity, Inc.

Meta Platforms, Inc. (Facebook) | *Software Engineering Intern* | Menlo Park, CA   June 2022-August 2022
- Developed proficiency in React.JS and utilized the framework for an intern project.
- Utilized cloud services to serve backend functionality of projects with APIs developed using Express and Node.Js.
- Deployed and interacted with ERC-721 and other Ethereum based smart contracts developed with Solidity with the Remix IDE.
- Developed proficiency and utilized Tailwind CSS to design awesome user interfaces.
- Additionally completed tasks to support Meta Reality Labs (VR/AR) teams.

University of Virginia Development Hub | *Machine Learning / A.I. Intern* | Charlottesville, VA   January 2022-June 2022
- Developed a machine learning application to create stock market predictions with Google Colab.
- Used TensorFlow to develop a predictive Long Short Term Memory Neural Network.
- Utilized APIs from Twitter, Reddit, and other social media platforms to pull real time data for analyzing user engagement related to certain company titles.

SingleStone Consulting | *Software Engineering Intern* | Richmond, VA   June 2021-August 2021
- Collaboratively developed an internal project to help the HR department and engineering leads to staff consultants to projects.
- Used Microsoft Azure Functions and event-driven Microsoft Flows to create an application with Javascript.
- Deployed software MVP resulting in increased efficiency staffing 200 employees to projects.
- Wrote technical documentation for new software in development.
- Worked in Scrum environment using backlog and tasks; learned process of modern software development using Agile.

Cisco Systems, Inc. | *Technical Extern* | Virtual   May 2021
- Met with engineering and account directors at Cisco Systems. Specifically their systems engineering area, infrastructure management, and scalability with products across all 50 states.

ADDITIONAL EXPERIENCE

Jane Street Capital | *FOCUS Participant* | New York, NY   March 2022
- A selective program where current undergraduate students are invited to learn more about Jane Street Capital.
- Participants go through workshops and activities to gain insight into trading, software engineering, and business development teams and what they do at Jane Street.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

National Society of Black Engineers (NSBE) | *Telecommunications Chair* | Charlottesville, VA.   January 2021-Present
- Developed and deployed the chapters first updated web page in three years.
- Created content which helped increase engagement of chapter instagram accounts by 100%.
- Developing the first NSBE Jr. webpage for the Albemarle County Public School System NSBE PCI Chapter.

Machine Learning Club @ UVA | *General Body Member* | Charlottesville, VA   January 2022-Present
- Two weekly meetings focused on learning ML techniques and developing applications.
- Completing weekly workshops on various topics such as Natural Language Processing and Image Classification.

University of Virginia Football | *Division 1 Athlete* | Charlottesville, VA   June 2020-January 2022
- 40 hour weekly commitment; played running back for the Virginia Cavaliers football team in the Atlantic Coast Conference.

Personal Projects / Competitions

Personal Website: barfieldjr.com
- Contains personal programming projects with links to Github repositories.

Jane Street Capital | Puzzle City Competition | Winner | San Jose, CA.
- Participated in and won Jane Street's puzzle hunt and interactive trading simulation. Raised the most capital as a builder team by completing the most puzzles.

AFFILIATIONS & SKILLS

Software: Python - Java - C++ - Javascript - Node.JS - React.JS - SQL - AWS - Assembly (x86) - MongoDB - Firebase - HTML - CSS - Matlab - AutoDesk AutoCAD - AutoDesk Inventor - Agile - Scrum - Microsoft Azure - Git - Google Cloud Platform