

Luke McMeans

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Summary

Enthusiastic computer science student with a strong foundation in software development, data structures, LLM/AI prompt-engineering, and mathematics. Committed to providing detail-driven work while staying efficient and accurate. Proven history of organization, teamwork, and management both in and outside the classroom. Aspires to utilize abilities while further developing skills, learning new technologies, and gaining real-world experience, contributing to the success of a dynamic software development team.

Education

University of Virginia | Charlottesville, VA

Bachelors of Arts, Computer Science | Minor in Data Science | Expected 05/2026

- 3.56 GPA
- Dean's List Spring 2023
- Coursework: Software Engineering, Data Structures, Computer Systems, Discrete Mathematics, Linear Algebra, Multivariable Calculus
- Member of the Association for Computing Machinery; Graphic Designer for the Super Smash Brothers Club

Work History

IT Intern (Software Development) | 06/2024 - Present

Carahsoft | Reston, VA

- Developed REST API functions for an SQL database to view, create, and manage care packages for 5000+ vendors
- Built upon an ASP.NET web app for users to interact with the care package API functions with clean, intuitive design
- Migrated 100+ API client functions from synchronous to asynchronous for enhanced response time and scalability
- Collaborated with teams of 4-8 to provide refactoring and debugging support, ensuring efficiency and consistency

Vice President of Video Editing | 02/2021 - 09/2021

Teen Leadership Network | Remote

- Boosted output speeds by over 50% using expertise in video editing software to produce high-quality content efficiently
- Supervised the work of 4 incoming trainees, providing guidance to maintain production value
- Trusted with publishing over 20 finalized videos across the brand's social media accounts and podcast platforms

Skills

Languages: Java, Python, C#, C, JavaScript, jQuery, SQL, HTML, CSS

Tools/Frameworks: LLM/AI Prompt-Engineering, Git, REST API, React, Next.js, Django, ASP.NET

Soft Skills: Project Management, Problem Resolution, Analytical Thinking

Projects

Loggd | 07/2023 - 08/2023, Updated 06/2024

JavaScript, HTML, CSS, GPT-3.5

- Developed a web extensions with a simple interface to decrease navigation times to a desired movie page by 40%
- Leveraged the GPT-3.5 LLM as an opportunity to learn prompt-engineering in the creation of the initial backend
- Conducted maintenance to add 6 color schemes and additional navigation destinations
- Utilized browser APIs to ensure compatibility with over 20 commercial and open-source browsers

Charlottesville Top8s | 04/2024 - 06/2024

Python, JavaScript, HTML, CSS, Django, Pillow, Fly.io

- Created a graphic generator for inputted Super Smash Brothers tournament results with over 300 billion possible outcomes
- Crafted 3 unique layouts, using Pillow, for the tournaments organized by the Charlottesville community and UVA
- Constructed an SQLite database using Django to allow users to manage theirs of the estimated 80 annual creations

lukemcmeans.com | 06/2024

JavaScript, HTML, CSS, React, Next.js, Vercel

- Built and deployed a personal portfolio website detailing some of the contents of this resume in greater depth
- Implemented a clean design with React and Next.js for optimal user experiences across devices and browsers