John Mounce

Mansfield, TX
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Education

The University of Texas at Arlington Arlington, TX
GPA: 3.86
Bachelor of Science in Software Engineering *Expected Graduation: December 2024*

- **Relevant Coursework:** Information Security, Object Oriented Programming, Data Structures and Algorithms, Databases and File Structures, Operating Systems, Discrete Mathematics, Linear Algebra, Theoretical Concepts of Computer Science, Engineering Probability, Calculus I, II, & III
- **Academic Accolades:** Phi Theta Kappa International Honor Society, Phi Theta Kappa Transfer Scholarship, UTA Merit Transfer Scholarship, Dean's List.

Skills

Languages/OS/Tools/Other

- C, Java, Python, PHP, TypeScript, JavaScript, HTML.
- Mac OS, Unix, Linux.
- VS Code, GIT, GDB, GCC, Command Line, Firebase, MongoDB, React, CSS.
- Written and Verbal Communication, Microsoft Office, Test Driven Development.

Projects

Airbnb Clone - Next.js, Typescript, React, MongoDB, NextAuth, CSS

- Developing a full-stack Airbnb clone application using Next.js and TypeScript, ensuring a robust and scalable architecture.
- Implemented user authentication and authorization with NextAuth, providing secure and seamless login experiences, including OAuth integration with Google and GitHub.
- This project is still in progress.

University Marketplace - Java, Android Studio, XML, Google Firebase

- Engaged in a team of 4 students in designing and developing an android mobile app where UTA college students can create profiles and post items up for sale, browse items for sale, add items to their watch list, and can filter results with 32 different filtering combinations.

Memory Arena Allocator - C

- Coded in C, this is a memory allocation program that can implement different memory management styles using linked lists. Some of the memory allocation algorithms include best fit, worst fit, first fit, and next fit, with the fastest of the four algorithms only taking 1.84 milliseconds longer than a call to malloc on average.
- This program can also free blocks of memory and merge adjacent free memory blocks accordingly.

Work History

Headstarter AI Dallas, TX (Remote)
Software Engineering Fellow *July 2024 - Present*

- Building 5 AI-driven projects during an intensive 7-week program.
- Developing proficiency in HTML/CSS, React, Next.js, Firebase, OpenAI, AWS EC2/Lambda, Authentication, Payment, Vector Databases.

T-Mobile Burleson, TX
Mobile Expert *May 2024 – Present*

- Strategically and creatively find solutions to customers network/cell phone needs.

Knapp Sisters Self Storage and U-Haul Mansfield, TX
Shift Manager *May 2019 - Feb 2024*

- Problem solved storage solutions to achieve a 20% increase in storage occupation.
- Mentored and lead employees to receive "Top 100 U-Haul in North America" Award on 8 separate occasions out of more than 23,000 North American U-Haul locations.