

ZACHARY JONES

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EDUCATION

UNIVERSITY OF NORTH TEXAS, Bachelors, Information Technology (May 2025)

- Relevant Coursework: Data Structures and Algorithms, Systems Design, IT Project Management, Human Computer Interfaces, Database Systems, Enterprise Systems Architecture, Technical Writing
- 3.72 GPA, 2x President's List, 2x Dean's List
- Software and Game Programming Supporting Area
- Nationally awarded member of the UNT Debate Team

PROFESSIONAL EXPERIENCE

UNIVERSITY OF NORTH TEXAS – Denton, TX (August 2023 – Present)

Student Media Director

- Orchestrated the development of an online presence for the North Texas debate team utilizing the Adobe Creative Cloud and website programming to improve website functionality and accessibility.
- Employed technology solutions to optimize event promotion and management in programming public events for the Communications department and UNT Debate, significantly expanding community outreach and fundraising for the organization.
- Instituted contemporary web and social media design techniques in the creation of public relations materials ensuring a modern online presence that effectively conveyed the organization's brand identity.

COPPELL ISD – Coppell, TX (August 2022 – June 2023)

Assistant Instructor

- Designed and delivered engaging lesson plans and educational materials to high school students fostering stronger research, communication, and software skills.
- Collaborated with colleagues to implement and research effective teaching methodologies, showcasing teamwork and adaptability in a professional environment.
- Leveraged effective communication techniques to facilitate discussions, answer questions, and provide guidance to students from a diverse range of social situations.

PROJECTS

SHELL INTERPRETER

- Collaboratively designed and developed a shell interpreter in C, enhancing my proficiency in low-level programming and system interaction.
- Implemented core shell functionalities, including command parsing, process execution, and I/O redirection, while adhering to Unix-like shell standards.
- Gained insights into systems programming and the Unix environment, furthering my understanding of software development in resource-constrained systems.

GRID-BASED CITY SIMULATION

- Cooperated with two peers to design and develop a console-based expansive city simulation in C++ demonstrating population growth and pollution dynamics over a user-defined time period.
- Created structured and comprehensive design documents to guide the project's development, promoting effective communication and organization within the team.
- Worked with C++ memory management techniques, advanced data structures, and algorithm development highlighting critical thinking and problem-solving skills.

SKILLS/LANGUAGES

C++ · C · Python · Git · SQL · HTML/CSS · JavaScript · UNIX/Bash · Adobe Creative Cloud

REFERENCES

Dr. Brian Lain · University of North Texas · Brian.Lain@unt.edu

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