

# Jake Manning

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## Education

Texas A&M University – College Station, TX  
Bachelor of Science in Computer Science  
Minors in Math and Business  
GPA: 3.539

May 2025

## Academic Achievements

Cum Laude, Dean's Honor Roll, Distinguished Student

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## Projects

Senior Capstone Project (AWS, SQL, Python, HTML, CSS)

January 2025 - May 2025

- Initialized all the cloud computing instances needed to run the website
- Developed backend code for database interactions and server-side operations
- Collaborated with team members to integrate backend systems with frontend interfaces
- Conducted extensive testing and debugging to optimize website performance and security

Point of Sale and Inventory System (Java, SQL, Python, HTML, CSS)

January 2024 - May 2024

- Collaborated with a team to develop a demo POS and Inventory System for both desktop and web interfaces
  - Led backend development and facilitated communications with frontend developers
  - Designed Python scripts for automatically populating the database based on user specifications
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## Experience

TAMU Research – College Station, TX

January 2024 - May 2024

*Hardware Fuzzing*

- Developed a deeper understanding of the fuzzing process, formal verification, and how to combine them to speed up verification
- Reviewed code and provided documentation regarding initialization of the combined verification process

MidSouth Electric Co-Op – Navasota, TX

May 2023 - August 2023

*IT Intern*

- Performed computer setups/maintenance for up to 200 internal clients
- Assisted in executing minor systems administration tasks involving user data and permissions
- Shadowed during server room maintenance and observed virtual machine structure and task delegation

Elizabeth A. Minze CPA – Madisonville, TX

May 2019 - August 2019

*Accounting Clerk*

- Balanced ledgers and reconciled bank statements for up to 10 clients in CS Professional Suite
  - Posted clients' business transactions such as credit card and check usage
  - Updated clients' tax information to accurately report for that fiscal year
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## Skills and Certifications

*Programming:* Python, C++, Java, LaTeX, HTML, CSS, SQL, Git, JavaScript, PowerShell, Unix, and Linux

*Applications:* Microsoft Word (Certified), Microsoft Excel and Access (Coursework)

*Certifications:* Real Estate Agent's License

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## Strengths

*Leadership:* Led cross-functional teams during project development; comfortable taking initiative and collaborating

*Analytical thinking:* Skilled in breaking down complex problems and troubleshooting technical issues efficiently

*Organization:* Maintain clear documentation, structured systems, and systematic approaches to projects

*Detail orientation:* Attentive of edge cases in software behavior; known for delivering high-quality technical work