

Chase Capron

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EDUCATION

Texas A&M University, Mays Business School
Master of Science in Management Information Systems

College Station, TX
December 2026

University of Oklahoma, Price College of business
Bachelor of Business Administration in Management Information Systems

Norman, OK
May 2024

EXPERIENCE

Ernst & Young, LLC

Technology Risk, Staff

Tulsa, OK

July 2024 – August 2025

- Performed IT audits for 5+ clients (10-35 applications/tools each), evaluating ITGCs, ITACs, and IPE reports to ensure controls follow regulatory compliance
- Executed technical code reviews in Python, SQL, and C# to verify system logic and identify security vulnerabilities within enterprise environments
- Led walkthrough meetings with control owners, and reviewed SOC reports to identify gaps and remediation strategies within technical environments

Price College of Business

Management Information Systems, Teaching Assistant

Norman, OK

August 2023 – May 2024

- Instructed 1,000+ students across 3 sections on database fundamentals, cybersecurity practices, and hardware architecture
- Facilitated 20-25 hours of weekly office hours, providing technical guidance on complex SQL, Python, and VBA assignments

Federal Reserve Bank of Kansas City

Technology Business Solutions, Analyst Intern

Kansas City, MO

May 2023 – August 2023

- Identified \$1M+ in savings by utilizing Power Query and Tableau to audit 1,000+ inactive mobile devices across the Federal Reserve System
- Developed an automated tool to manage multiple stakeholder's timesheet collections, streamlining time keeping compliance and reporting for upper management
- Participated in 5 projects, working in automation, data visualization, web design, and data cleansing, effectively managed projects by utilizing Agile methodologies

PROJECTS

CMIS Case Competition

December 2025

- Architected and deployed a full-stack mentor matching platform featuring a custom AWS Lambda backend and an interactive AI chatbot built with AWS Lex, to enhance student-alumni networking
- Engineered automated matching algorithms and email workflows using n8n, integrating multi-user portals for students, faculty, and industry sponsors to replace legacy infrastructure

Texas A&M Datathon

November 2025

- Developed "Wavelength," a Model Context Protocol (MCP) integrating Gemini, Spotify, and Last.fm APIs to automate personalized playlist generation via lyric sentiment analysis, BPM, and instrumental matching
- Supported the development and implementation of a team-led, Python-based Machine Learning model for a real-time gaming simulation, contributing to a 2nd place finish out of all competitors in the 24-hour sprint

E-Commerce Data Infrastructure

August 2025 – November 2025

- Deployed a scalable, highly available data infrastructure on AWS EC2 instance, featuring a multi-node MariaDB Galera Cluster for 24/7 integrity
- Built automated ETL/ELT pipelines (Python/SQL), and integrated NoSQL/Vector databases (MongoDB), to support AI-driven semantic search capabilities

TECHNICAL SKILLS

Languages: SQL, C#, Python, R, HTML5, CSS3

Tools & DevOps: AWS (EC2, S3, Lambda, Lex), Git/GitHub, Jira, Agile (Scrum, Kanban)

Data & Automation: ETL/ELT Pipelines, n8n (Workflow Automation), NoSQL (MongoDB), Tableau/Power BI

Security & Risk: ITGC/ITAC Auditing, SOC Report Review, Regulatory Compliance, Internal Controls Assessment