

John McWhirter

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EDUCATION

Texas A&M University, College Station, Texas
Master's in Computer Science and Engineering

August 2025 - December 2026

Texas A&M University - College Station
Bachelor's in Computer Engineering

August 2020 - May 2023

GPA: 3.7

WORK EXPERIENCE

Vanguard, Malvern, PA
Application Engineer

January 2026 - Present

- Maintain 50+ internal Appian BPMN-based applications for intake workflows
- Leverage AWS Cloud Infrastructure to optimize system efficiency and scale into new AI solutions

Paycom Payroll LLC, Irving, TX
Software Developer III

June 2023 - October 2024

- Maintained the Documents, Checklists, and E-Verify HCM Software with PHP, MySQL, and React TypeScript
- Achieved 90% REST API performance improvement via database query optimization and algorithms

Texas Instruments, Richardson, TX
Applications Engineering Intern

June 2022 - August 2022

- Debugged High Speed Converters (≥ 10 MSPS) with Applications Engineers in Electrical Labs
- Developed a C and Python Tkinter GUI generator to automatically package Vivado configurations for clients

South Plains College, Levelland, TX
Math Tutor

August 2018 - December 2019

- Delivered technical instruction across multiple mathematics subjects to a diverse range of students
- Collaborated with professors to develop effective teaching strategies for diverse student populations

Campus Ambassador

August 2019 – December 2019

- Represented the student body at new student recruitment events, scholarship gala and various media outlets
- Gave campus tours to prospective students and special guests of the College

CERTIFICATIONS

AWS Certified AI Practitioner | Amazon Web Services | *May 2026*

Engineer In Training | Texas Board of Professional Engineers and Land Surveyors | *August 2024*

SKILLS

Programming Languages: Python, JavaScript, TypeScript, PHP, SQL, C++, C#, Java, C, Golang

Web Development: React, Angular, HTML, CSS, Next.js

Cloud & Data Tools: AWS, Azure, Dynamics 365, PowerBI, Vercel

AI Tools: Claude Code, Cursor, Hermes Agent, AWS Bedrock, AWS Sagemaker