Stephen Smyth

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Amplifying my social impact by focusing on software engineering after doing fraud investigation at Apple

EDUCATION

Texas State University San Marcos, TX Graduating May 2025
Bachelor of Arts in Computer Science, *minor in Communication Studies*

TECHNICAL SKILLS

Languages	Python, Typescript, Javascript, C++, Java, C#, Bash, SQL
Technologies	AI, Angular, Node, Docker, Git, React, TensorFlow, API, MongoDB, AWS, GCP, Pandas, NLP
Courses	Data Structures & Algorithms, Advanced Algorithms, Object Oriented Design, Public Speaking

PERSONAL PROJECTS

AI Teaching Assistant app	Angular, Node, PostgreSQL, Docker, AWS, Firebase, REST API, generative AI
Tutoring Services	Google Sites, Stripe
CS Student Resources	React, Node, Git collaboration
Personal Portfolio	Angular, Firebase
Prioritize your Projects	Angular, Firebase
Study Python Algorithms	Angular, Firebase

EXPERIENCE

Dell Technologies Summers of 2022, 2023, 2024 Austin, TX
Software Engineering Intern
- Accelerated contract negotiations for a $2.4Billion per year presales pipeline using generative AI and NLP
- Automated analysis of unstructured survey data by designing, coding, and testing an internal AI app
- Reduced missed SLA's in Latin America by coding an invoice lookup feature for the Site Reliability Engineering team. I unified several database queries into one tool, making it faster to resolve blocked orders.
- Simplified data analysis by writing a script to shape data into a report for stakeholder requirements
- Increased data lake integrity by writing tests for a streaming data pipeline, affecting 300 million customers

Computer Science Department at TXST Jan 2024 - Present San Marcos, TX
AI and CS Education Researcher
- Improved learning outcomes in upper-level Computer Science classes by implementing generative AI
- Extracted high quality LLM responses on niche topics by leading a team to research various techniques
- Designed, coded, and deployed a full-stack application and analytics engine to privately track usage data

Intelligent Multimodal Computing and Sensing Lab at TXST Oct 2022 - May 2023 San Marcos, TX
Machine Learning Researcher
- Investigated Deep Learning techniques to classify rare diseases using several Nvidia GPUs in parallel

Google Developer Student Club at TXST Aug 2022 - Aug 2023 San Marcos, TX
President
- Founded a club to bring industry expertise to my school. Handpicked 10 officers and grew from 0-400 members

Apple Inc Dec 2016 - Dec 2020 Austin, TX
Senior Fraud Specialist
- Doubled my average productivity metrics by learning how to program
- Saved Apple $1Billion per year by leading investigations and trainings for North America
- Led 250 community service projects, engaging 1500 employees and 40 nonprofits

EXTRAS

Teaching Assistant | International music awards | Hackathon Winner | CodePath | 7 research conferences | French