

Resume

Mathematics and actuarial science student at Texas Tech University, with a background in software development and security research.

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EDUCATION

Texas Tech University

Lubbock, TX

B.S. in Mathematics, Minor in Actuarial Science

Expected May 2027 · Cumulative GPA 3.95 / 4.00

Honors: President's List (Fall 2024, Spring 2025, Spring 2026), Dean's List (Fall 2025), Robert A. Moreland Endowment Scholarship, Proven Achievers Transfer Scholarship

Actuarial & Financial Mathematics: Actuarial Mathematics for Life Contingent Risks, Theory of Interest, Mathematical Finance, Financial Management, Principles of Economics

Mathematics: Real Analysis II, Advanced Calculus, Modern Algebra II, Numerical Analysis, Linear Algebra, Mathematical Statistics, Differential Equations, Mathematical Modelling

ACTUARIAL EXAMS & CREDENTIALS

- SOA Exam FM (Financial Mathematics) — sitting December 2026
- OpenJS Node.js Services Developer (JSNSD) & Application Developer (JSNAD)

EXPERIENCE

Security Researcher & Software Developer, R&D (Freelance)

Mar 2018 – Jul 2024

CHEQ · Remote · HQ Tel Aviv, Israel

- Researched web standards and browser specifications to design methods for detecting advanced bots and online fraud, identifying anti-spoofing signals that improved fraud-detection rates.
- Built a Node.js device farm of emulators and physical devices to empirically test the effectiveness of each new detection method before release.
- Benchmarked commercial code-protection products, then developed a proprietary JavaScript obfuscation engine to protect the company's client-side code from reverse engineering.

SI Leader — Financial Management (FIN 3320)

Aug 2026 – Present

Texas Tech University, Supplemental Instruction · Lubbock, TX

- Lead peer-assisted study sessions for a course completed with an A+, explaining quantitative finance concepts — capital budgeting, bond and stock valuation, WACC, and risk-return models — through collaborative learning.
- Author study packets and model-driven practice problems in coordination with course faculty and SI professional staff.

Peer Tutor (STEM & Quantitative Analysis)

Aug 2025 – Dec 2025

Texas Tech University, TECHniques Center · Lubbock, TX

- Provided one-on-one tutoring in Texas Government, Sociology, Algebra, and Calculus I to students registered with Student Disability Services.
- Tracked progress and reported milestones alongside academic counselors to support sustained academic performance.

PROJECTS

Modelling Lubbock Animal Services (MATH 4000)

Applied Mathematical Modelling

Applied mathematical modelling to the operations of a local community partner as part of a project-based course in applied mathematics.

LEADERSHIP & INVOLVEMENT

Student Ambassador — College of Arts & Sciences

May 2025 – May 2026

Texas Tech University

Represented the Department of Mathematics & Statistics at recruitment and outreach events, contributing 20+ hours per semester and guiding prospective students through STEM degree pathways.

Summer Community Advisor — University Student Housing

May 2025 – Aug 2025

Texas Tech University

Supported West Village residents and helped implement the summer housing curriculum.

SKILLS

Languages: Python, MATLAB, JavaScript, TypeScript, Node.js

Tools & Platforms: Cloudflare Workers, Google Cloud Platform, Git, Excel & Google Sheets (financial modeling)