Russell Sullivan

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Education

Texas State University — San Marcos, TX
Bachelor of Science in Computer Science, Minor in Philosophy — *August 2023 – Present*

Baylor University — Waco, TX
Bachelor of Science in Computer Science — *August 2018 – 2020*

Anderson High School — Austin, TX
August 2014 – 2018

Certifications

CompTIA Security+
Credential ID: a69e3677ec67430cabb8bead39f076f8 — *December 2025 – December 2028*

Ordained Chaplain
GCU Academy — *June 2025*

Technical Projects

PassiveGuard | *Python, Flask, React, Celery, Redis, Docker* — December 2025 – Present

- Engineered a defensive vulnerability scanning platform for passive analysis of source code, configuration files, dependencies, PCAP files, and network logs without active probing
- Implemented static analysis, AST parsing, taint-tracking concepts, JWT authentication, tiered user access, background scan execution, and exportable scan reports
- Built Docker-supported backend services with Flask, Celery, Redis, and a React dashboard for scan creation, findings review, and agent-based local scanning

Local LLM Reverse Engineering Toolkit | *Python, Flask, SQLite, Ghidra, Local LLMs* — May 2026 – Present

- Built a local-first reverse engineering assistant that imports Ghidra-exported JSONL function data and analyzes decompiled code using local LLM backends
- Developed CLI and Flask dashboard workflows for function summaries, behavioral hypotheses, rename suggestions, Markdown reports, and SQLite full-text search
- Designed the tool for isolated defensive research workflows where sensitive code remains on the analyst machine

ROS 2 LLM Robotics Integration | *ROS 2, Python, Docker, Whisper, Espeak, LLaMA* — April 2026

- Integrated Whisper speech recognition, Espeak text-to-speech, and LLaMA-based language generation into a ROS 2 Humble robotics workflow
- Built and tested publisher-server and client workflows for voice transcription, prompt processing, generated responses, and spoken robot interaction
- Worked with Docker-based remote PC development, TurtleBot3 robotics tooling, terminal-based testing, and hardware demonstration requirements

CineMatch Movie Recommendation App | *React, Vite, Node.js, Express, SQLite, JWT* — April 2026

- Developed a full-stack movie recommendation application with user registration, JWT authentication, ratings, favorites, comments, and profile management
- Implemented personalized recommendations using genre preference modeling and collaborative filtering with cosine-similarity concepts

- Built REST API routes, SQLite persistence, seed and migration workflows, and a React interface for browsing, filtering, and reviewing movies

iHedge Trading System | *Python, C/C++, Java, Java Swing, Trading APIs* June 2022 – Present

- Developed an automated trading system for real-time market analysis, technical indicator evaluation, strategy testing, and position tracking
- Built an interactive Java Swing dashboard for monitoring 100+ assets and experimenting with indicators including MACD and Bollinger Bands
- Designed algorithmic buy/sell decision workflows using market data, limit-order concepts, and multi-language backend components

AI Cancer Expert System | *C++, Rule-Based AI, Backward Chaining, Decision Trees* Feb. 2025 – July 2025

- Built a C++ expert system using a rule base, fact base, and knowledge base architecture to demonstrate symbolic AI reasoning
- Implemented backward chaining for diagnosis matching and forward-chaining decision trees for treatment recommendation paths
- Modeled 22 cancer types and 72 symptoms for educational inference workflows with clear separation between rules, facts, and conclusions

Skills

Languages & Frameworks: Java, Python, C/C++, SQL(Postgres), React, Node.js, JavaScript, HTML/CSS
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, IntelliJ, PyCharm, Eclipse
AI & Machine Learning: Gemini, OpenAI, LLama, Deepgram, Prompt Engineering, AI Workflow Automation, Multi-Agent Systems
Other Skills: Threat & Vulnerability Management, Security Operations, Network Security, Cryptography, Infrastructure Security, Risk Management, Incident Response, Welding, Landscaping, Forklift Operation, Contract Negotiation, Employee Recruitment

Experience

Founder March 2021 – Present
Sullivans Moving Company LLC *Central TX*

- Hired and trained crews of 6+ employees
- Managed an average of 50+ bookings per month
- Processed payroll for 6+ employees weekly, ensuring 100% on-time payments
- Coordinated and led moving operations for 500+ successful residential moves
- Prepared each invoice for secure cash/debit/credit payment

Instructional Assistant – CS1319 Fund. of Computer Science January 2026 – May 2026
Texas State University *San Marcos*

- Graded introductory assignments covering core computer science concepts across hardware, software, and networking layers
- Evaluated student understanding through open computer laboratory exercises and basic programming logic
- Provided clear, beginner-friendly feedback to support foundational technical learning

Instructional Assistant – CS1342 Programming for Engineers January 2026 – May 2026
Texas State University *San Marcos*

- Graded programming assignments focused on problem solving, algorithm development, and data representation
- Evaluated student code written in a high-level programming language for correctness and logical structure
- Provided concise feedback to support engineering and science students in applying computational thinking

Instructional Assistant – CS4350 Unix Systems Programming Sept. 2025 – December 2025
Texas State University *San Marcos*

- Graded UNIX systems programming assignments involving processes, signals, threads, and memory management in C
- Evaluated Python and C++ programs using parallel execution and mutexes for synchronization
- Provided targeted feedback on debugging, concurrency, and system-level problem solving

Equipment Manager March 2024 – Present
Texas State University *San Marcos*

- Supported coaching staff by maintaining organized storage systems and preparing gear on tight schedules
- Managed inventory, distribution, and maintenance of team equipment including bats, helmets, uniforms, and training gear
- Coordinated equipment setup and breakdown for practices, home games, and away competitions

Software Developer December 2023 – December 2024
Outlier *Remote*

- Evaluated and improved LLM-generated code across multiple programming languages
- Solved complex coding problems and reviewed model responses for correctness, clarity, and reasoning quality
- Authored concise explanations of coding solutions, improving readability for technical reviewers and developers
- Provided detailed justifications for evaluations, including why selected approaches were correct and maintainable

Team Lead May 2023 – December 2023
Amanzi Party Rentals *Austin, TX*

- Managed event logistics and supervised setup of 200+ mechanical rides, ensuring 100% compliance with safety regulations
- Implemented safety protocols, reducing incidents and ensuring a flawless customer experience at all events

Account Manager / Technician March 2023 – May 2023
Urban Texas Pest Control *San Antonio, TX*

- Earned 20+ five-star reviews, increasing company ratings from 4.2 to 4.8 stars on Google
- Closed 20+ high-value contracts, increasing company revenue by $50K+ within two months
- Provided same-day pest elimination and long-term prevention strategies
- Managed and optimized scheduling for 50+ clients per month.

Manager January 2022 – March 2023
AB Moving/Storage *Central TX*

- Leased a freight-liner 26-ft moving truck to expand operations, increasing revenue by 35%
- Recruited and trained 20+ new hires, improving service efficiency and customer satisfaction
- Led teams in executing 300+ residential moves, achieving a 95% on-time completion rate
- Distributed payroll to employees weekly

Team Lead March 2021 – December 2021
Einstein Moving Company *Austin, TX*

Business-to-Business Sales Representative January 2021 – March 2021
Rave Energy *Dallas, TX*

Door-to-Door Sales Representative March 2021 – May 2021
AMP Smart Home Security *Dallas, TX*

Awards

1st Place All-City Outside Linebacker: in Austin, Tx (District 26-6A), December 2016
1st Place All-District Track: Men's 300m Hurdles in Austin, Tx (District 26-6A), March 2016
3rd Place All-District Track: Men's Polevaulting in Austin, Tx (District 26-6A), March 2016