

# Strayer Russell

✉️ [strayerrussell.github.io](https://strayerrussell.github.io)  
📍 2406 Black Bear Drive,  
New Braunfels, TX 78132

⚡ [github.com/StrayerRussell](https://github.com/StrayerRussell)  
🔗 [linkedin.com/in/david-strayer-russell](https://linkedin.com/in/david-strayer-russell)

📞 (+1) 830-358-3424  
✉️ [david.strayer.russell@gmail.com](mailto:david.strayer.russell@gmail.com)

## Summary

Detail-oriented and adaptable Backend Software Developer with a proven ability to engineer solutions in constrained and legacy environments. Skilled in C, JavaScript (Node.js), and Linux systems, with experience migrating complex applications, restoring legacy software, and developing full-stack projects. Combines strong technical problem-solving with leadership experience to deliver robust and maintainable systems.

## Technical Skills

**Programming Languages:** C, JS, JavaScript/Node.js, TCL, SQL, Bash, HTML/CSS

**Frameworks & Platforms:** React, Node.js, Linux, Cisco IOS

**Tools & Concepts:** Git, Legacy System Modernization, State Machine Architecture, Real-time Systems, Technical Documentation, Full-Stack Development

## Project Experience

### Project Lead

### Media Archaeology Lab – UT Dallas

**Aug 2024 - Dec 2025**

- Engineered the migration of an auditory escape room game from Unity to **Cisco IOS**, adapting game logic to the constraints of the **TCL** language within a hard real-time, event-driven state machine framework.
- Spearheaded the restoration of a Xerox PARC museum showpiece by reverse-engineering its original broken software (Windows NT 4.0) and **re-implementing its core functionality in a modern Linux environment**, significantly improving long-term maintainability.
- Authored comprehensive technical documentation detailing restoration procedures and system maintenance, ensuring future project continuity.

### Team Lead

### First Robotics Team 5103

**Aug 2018 - May 2022**

- Provided technical leadership and project management during a period of significant team member turnover, implementing processes that ensured organizational and technical continuity for competition readiness.

## Education

### B.A. in Technology and Communications

**Aug 2022 - Dec 2025**

University of Texas at Dallas

Richardson, TX

*Key Relevant Coursework:* Software Engineering, Systems Design, Technical Communication

## Certifications & Awards

### Full Stack Web Development Certification

HTML, CSS, SQL, JavaScript, React, Node.js

### Best Restoration Award

VCF Southwest 2025

### Eagle Scout

Boy Scouts of America

### National Honor Society

2022 - Present

### Phi Theta Kappa Honor Society

2022 - Present