Darrin Andrew Haase

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EDUCATION

The University of Alabama — Tuscaloosa, AL
B.S. in Computer Science — Expected May 2029

WORK EXPERIENCE

The Gray Insurance Company — New Orleans, LA
Software Developer (Part-Time) — September 2026 – Present
Software Engineering Intern — May 2026 – August 2026
June 2025 – August 2025

- Serve as a primary developer for AI and MCP (Model Context Protocol) integration into the company's core application
- Redesigned database access by extracting schema information into model files, enabling developers to track and manage database changes through Git
- Partnered with Gray's Oil & Gas division to extend the core application with support for a new industry
- Refactored the legacy codebase for compatibility with a static code analyzer and migrated it from Java 8 to Java 21, gaining hands-on experience with concurrent engineering practices

GNO STEM — New Orleans, LA
TA — June 2024 – July 2024

- Assisted teachers in delivering engaging STEM lessons (marine biology to astronomy) to youth ages 9–13

Scramuzza's Seafood — Kenner, LA
Cashier, Server, and Boiler — January 2022 – June 2025

- Handle customer service, food preparation, and shift operations at a family-owned seafood market

LEADERSHIP & ACTIVITIES

Robotics Team, Jesuit High School — New Orleans, LA
Co-Captain & Lead Programmer — 2021 – 2026

- Directed all autonomous and driver-controlled programming (dead-wheel odometry, motion profiling, visual odometry) for a FIRST Tech Challenge team that won first place at every 2024–25 regional competition, plus the Control and Inspire Awards
- Led the team to its first state championship win in seven years and a spot at the World Championship, placing 16th in the world for autonomous performance

Mu Alpha Theta, Jesuit High School — *Vice President* — 2024 – 2026

- Organized STEM outreach initiatives as Mu Alpha Theta Vice President and tutored peers in mathematics

COMMUNITY INVOLVEMENT

St. Rita Robotics — *Club Moderator* — 2024 – 2026

- Reinstated a dormant robotics program and coached 15 elementary/middle school students up to 1st place

NOLA Library & Fall Momentum — *Course Creator / Group Leader* — 2022 – 2024

- Designed custom robotics and coding curricula (including custom firmware and IDEs) for STEM outreach events reaching 165+ K–8 students across New Orleans