

NATHAN ROWLEY, EIT

☎ 318-453-4691 ✉ nrowley71115@gmail.com 📍 Longview, TX
🔗 <https://github.com/nrowley71115> 🔗 www.linkedin.com/in/nathanrowley

EDUCATION

Masters of Science, Computer Science 2024 – Present
University of Texas at Austin – Austin, TX – 4.0 GPA
Coursework: ML, Android Development, Advanced Linear Algebra, DL (in progress)

Bachelor of Science, Electrical Engineering 2022
Louisiana Tech University - Ruston, LA - 4.0 GPA
Coursework: Numerical Analysis, Discrete Mathematics, Digital Design

Technical Projects

Classis Gradus (2024) - [video link](#)

- Built an internal task management application for business operations.
- Developed backend SQL database, API, and Android app integration.

Smart Thermostat (2023) - [video link](#)

- Built a Smart Thermostat with HTML, CSS, JavaScript, Python, Flask, SQLite3.
- Integrated Raspberry Pi, DHT22 sensor, LCD, relays, and buttons.

CS50 Finance (2023)

- Created a stock trading platform with API, account, and transaction features.
- Utilized Python, Flask, SQLite3, HTML, CSS, and JavaScript for full-stack work.

EXPERIENCE

Electrical & Instrumentation Engineer 2022 – Present
Eastman Chemical Company - Longview, TX

- Developed my team's instrument spec sheet SQL database with sqlite3 and Python.
- Gained expertise in control systems, instrumentation, and electrical systems.

Software & Design Engineering Intern 2021 - 2022
Sabre Industries - Ruston, LA

- Developed a Python/Tkinter tool to size BMS busbars based on ampacity and other factors.

SKILLS

Programming Languages: Python, Kotlin, SQL, C, HTML, CSS, JavaScript, Bash
Frameworks & Libraries: Flask, TensorFlow, NumPy, Pandas, SciKit-Learn, Jinja2, Matplotlib
Tools: Git, GitHub, Unix, VS Code, Cursor

AWARDS & CERTIFICATIONS

Machine Learning Specialization , Stanford University	2024
CS50's Introduction to Computer Science , Harvard University	2023
Engineer in Training (EIT) Certification , Texas Board of Professional Engineers	2023
Outstanding Senior , College of Engineering and Science LA Tech University	2022