

John Langs - IN PROGRESS

github.com/johnlangs | linkedin.com/in/johnlangs | johnlangs.dev

EDUCATION

Texas A&M University

Bachelor's of Science, Computer Science

College Station, TX

Aug 2021 — May 2025

- Relevant Coursework: Data Structures & Algorithms, Software Engineering, Operating Systems, Machine Learning, Robotics & Spatial Intelligence, Bayesian Statistics

WORK EXPERIENCE

Teaching Assistant - Robotics & Spatial Intelligence

Texas A&M University

Jan 2024 — Present

College Station, TX

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Curriculum Creator/Course Instructor

Venture Robotics

Jan 2022 — Jul 2023

Midland, TX

- Managed, directed, and taught classes up to 13 students in size
- Synthesized beginner friendly educational programs from various robotics and programming platforms
- Educated students on the foundations of robotics and programming using Scratch, C++, and Python

In-Shop Crew Member

Jimmy John's

Jul 2019 — Jul 2022

Midland, TX

- Prepared and served customers' orders within a timely and professional manner
- Oversaw and carried out catering orders served for an upwards amount of 200 people
- Ensured maximum store quality through proper maintenance and cleaning

PROJECTS

Maintainer, Hyperschedule (hyperschedule.io)

Nov 2023 — Present

- Maintain open-source scheduler used by 7000+ users at the Claremont Consortium with TypeScript, React and MongoDB
 - Manage PR reviews, bug fixes, and coordinate with college for releasing scheduling data and over \$1500 of yearly funding
- Ensure 99.99% uptime during peak loads of 1M daily requests during course registration through redundant servers

EXTRACURRICULAR ACTIVITIES

American Chemical Society (ACS), Midland College Chapter - Secretary

Aug 2021 — May 2022

- Organized and served in Community Outreach programs to raise awareness of the wonders of chemistry and opportunities within STEM
- Oversaw and recorded details of Club Chapter meetings and attendance
- Collaborated with Club officers in planning events to ensure the sustainability of the Club Chapter and its outreach activities

SKILLS AND AWARDS

- **Programming Languages:** JavaScript, Python, C/C++, HTML/CSS, Java, Bash, R, Flutter, Dart
- **Technologies:** React, Astro, Svelte, Tailwind CSS, Git, UNIX, Docker, Caddy, NGINX, Google Cloud Platform
- **Awards:** 1st CorCTF 2024 (\$1337), 3rd PicoCTF 2023 (\$1000), 1st BCACTF 2023 (\$500)
- **Interests:** Classical Literature, Creative Writing, Tetris