

Lysander Hernandez

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EDUCATION

- **University of North Texas** Denton, TX
Bachelor of Science in Computer Science; GPA: 3.9 *August 2021 – May 2025*

EXPERIENCE

- **TriTech Software Development** Allen, TX
Programming Intern *May 2022 - April 2023*
 - **Premium Pro:** Migrated flagship product Premium Pro from a desktop app to a web app using cloud services.
 - **API:** Created and designed GraphQL and REST API endpoints for a single page web app to consume.
 - **Frontend:** Accelerated *50%* development of frontend features for core products using TypeScript and Angular.
 - **Backend:** Used Kotlin, and Spring to implement services such as database operations and core functionalities.
 - **Cloud:** Utilized GCP monitor, scale, and configure microservice instances and databases.
 - **API Testing:** Tested endpoints using Postman, Swagger UI, Spring's MockBean, Postman, and Swagger UI.
 - **Frontend Testing:** Tested frontend applications with Jest unit tests and Cypress end to end tests.
 - **Backend Testing:** Tested backend microservices using JUnit unit tests and Spring integration tests.
 - **Continuous Integration:** Containerized Jenkins pipelines to isolate jobs and to simplify the building process.
- **IBM** Coppell, TX
PTECH 2021 Summer Intern *June 2021 - July 2021*
 - **Team Leader:** Collaborated with 4 other interns with remote and virtual methods
 - **Speech to Text:** Developed business-oriented project with technologies such as Docker, JavaScript, and Python to create a Speech-To-Text system.

PROJECTS

- **Pathfinding with A* Workshop — Github Link:** Developed and hosted A* algorithm workshop for the College of Engineering at the University of North Texas.
- **Personal Site — Site Link:** Developed personal portfolio site using Next.js, Tailwind, and React Query.

SKILLS

- **Languages:** TypeScript, JavaScript, Kotlin, Python, C++, C, Lua
- **Technologies:** React, Angular, Next JS, SCSS, Spring, PostgreSQL, REST API, GraphQL, Docker

LEADERSHIP AND PROFESSIONAL ORGANIZATIONS

- **UNT Computer Science Club — Club Officer**