

Lysander Hernandez

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EDUCATION

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

EXPERIENCE

- **Amazon Business** Austin, TX
Software Development Engineer Intern *May 2023 - Aug 2023*
 - **Auto resolve tasks:** Resolved redundant tasks in case management system saving **\$14,000 annually**.
 - **AWS:** Used AWS Step Functions to process *700* manual investigation outcomes per week.
- **TriTech Software Development** Allen, TX
Programming Intern *May 2022 - April 2023*
 - **Premium Pro:** Migrated flagship product from a desktop app to a web app using Google Cloud.
 - **API:** Reduced API endpoints latency by up to *80%* by converting singular endpoints to plural.
 - **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 authentication.
 - **Cloud:** Utilized GCP monitor, scale, and configure microservice instances and databases.
 - **Testing:** Tested endpoints, frontend (*76%* code coverage), and backend (*82%* code coverage) apps using Postman, Jest, Cypress, and JUnit.
 - **Continuous Integration:** Containerized and optimized Jenkins pipelines to isolate jobs and cache steps shortening CI/CD time by *25%*.
- **IBM** Coppell, TX
PTECH 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.
 - **Natural Language Processing:** Utilized IBM Watson to convert text to audible speech and human speech to text.

PROJECTS

- **PocketModel — Github Link:** Created a deep learning educational Python repository for experimenting with multilayer perceptrons for distinguishing images of handwritten digits.
- **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, Java, Kotlin, Python, C++, JavaScript, C, Lua
- **Technologies:** GCP, AWS, React, Angular, Next.js, Spring, PostgreSQL, REST API, GraphQL, Docker

LEADERSHIP AND PROFESSIONAL ORGANIZATIONS

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