

Gabriel Linares

813-600-0901 | glinare2@uncc.edu | [Linkedin.com/gabe](https://www.linkedin.com/in/gabe) | github.com/gabe

EDUCATION

University of North Carolina

Bachelor of Science in Computer Science

- Software, Systems and Networks
- Statistics Minor

Charlotte, NC

Graduation: May 2026

Relevant Coursework

- Operating Systems and Networks
- Data Structures and Algorithms
- Database Design and Implementation
- Parallel Programming (Enrolled)
- Intro to Machine Learning (Enrolled)

PROJECTS

Online Auctions Simulation | *Python, Flask, PostgreSQL*

- Designed a Relational Database to simulate an online auction using PostgreSQL following normalization rules to ensure ACID principles
- Implemented user authentication through JSON Web Tokens
- Implemented Crud operations using Python/Flask that allow users to register accounts and bid on open auctions
- Utilized Postman for REST API testing and Docker containers for quick startup of the database and web APIs

Online Restaurant Ordering System | *Python, SQLAlchemy, MySQL*

- Designed a program that simulates a Restaurant Ordering System which runs on Python and a relational database with MySQL.
- Implemented Rest APIs using Model, Controller, Schema and Router structure keeping the code-base organized.

Book Store Simulation | *Java*

- Created a program that simulates a Book store using an object-oriented programming approach.
- Put into practice several classes that allow the user to create new members and add items to inventory.
- Implemented searching and sorting algorithms that keep the inventory organized.
- Implemented file reading and writing methods including exceptions handling for record-keeping and day-to-day progression.

EXPERIENCE

Aerospace Composites Technician

July 2021 – March 2023

Tiger Precision Products

Mooresville, NC

- Performed the Lay-up of carbon fiber parts into designated molds
- Conducted Resin Infusion and curing of parts using appropriate machine parameters for each part configuration
- Collaborated with Process Engineers in addressing reoccurring difficulties during parts production
- Clearly documented any quality flaws throughout the de-molding process of components

Maintenance Technician (BlowMolding Specialized)

March 2018 – July 2021

Niagara Bottling

Mooresville, NC

- Assess and troubleshoot Pneumatic, Mechanical, and Electrical Blow-molding systems during production
- Conducted production line shut-down for weekly preventative maintenance
- Collaborated with Senior Mechanics troubleshooting reoccurring problems and process optimization

TECHNICAL SKILLS

Languages: Java (Most Proficient), C++, Python, C, SQL(Postgres), JavaScript

Frameworks: Flask, FastAPI

Developer Tools: NetBeans, Visual Studio Code, Git, Postman, Docker

Other Skills: Spanish (native)