

# Denilson Lopez

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GitHub: <https://github.com/Denilson0720>

## EDUCATION

**New Jersey City University** – Jersey City, NJ

Graduated: May 2023

**Bachelor of Science in Computer Science**

GPA: 3.7

Relevant coursework: Computer Science 1 & 2, Data Structures, Discrete Structures 1 & 2, Artificial Intelligence, Calculus 1 & 2, Physics 1, Computer Graphics, Algorithms, Data Science, Database, Software Engineering 1 and 2

Honors & Awards: Presidential Scholarship, Dean`s List (2019-2023),

New Jersey Athletic Association Academic D3 Award, College Sports Communicators Academic All-District Team

## SKILLS

Java, Python, SQL, HTML, CSS, JavaScript, IntelliJ, VSCode, MySQL Workbench, PyCharm

Dependability, Teamwork, Adaptability, Communication, Problem Solving, Time Management

Fluent in English and Spanish

## EXPERIENCE

**New Jersey City University - Summer Stem Research Intern** | Jersey City, NJ

May 2022 - July 2022

- Deployed Reinforcement Learning (RL) models onto AWS DeepRacer autonomous driving car to drive laps on a real-world test track after having effectively trained models via local (Ubuntu) and cloud training methods (Google Cloud, AWS console, Microsoft Azure)
- Achieved improvement of lap times by 60% compared to initial lap times through modifications of the RL model`s action space, hyperparameters, and rewards function based off data from previous training trials

**WakeFern Food Corp. - Summer Warehouse Supervisor Intern** | Elizabeth, NJ

July 2019 - August 2019

- Identified responsibilities and requirements needed to maintain a large corporation through shadowing and observing supervisor
- Developed strong team working and communication skills to communicate critical information in a fast-paced environment allowing for 90% of shipments to leave the warehouse on time during peak periods as opposed to 85% beforehand

## PROJECTS

**Student Database Management System**

- Part of database management class project, built student database management system to allow performance of CRUD operations with MySQL workbench

**Responsive Survey Form**

- While learning web development basics, built a responsive survey form to allow users to input data based on website performance feedback using HTML and CSS

**Implementation of Data Structures**

- Implementation of data structures in Java (Stacks, Queues, LinkedList, etc.) to hone understanding of them

## AFFILIATIONS & ACTIVITIES

**CodePath** | Student | Remote

June 2023 – August 2023

- Completed the technical interview preparation class where I improved my problem solving and team working skills alongside peers within my team

**NJCU Cross Country Track & Field** | Student Athlete | Jersey City, NJ

September 2019 - May 2023

- Won multiple team titles and medals as a student athlete cross country and track runner
- Volunteered as part of a dedicated team at community races