

# Diego Diaz

Miami, Florida | Durham, North Carolina  
(305) - 842 - 4960 | dad61@duke.edu | ddiaz042202@gmail.com

## EDUCATION

**Duke University, Trinity College of Arts and Sciences**  
Bachelor's Degree with Majors in Computer Science and Chemistry  
**Miami Dade College**  
Associate in Arts Degree  
**School For Advanced Studies Highschool**  
Summa Cum Laude

Durham, NC  
May 2025  
Homestead, FL  
May 2020  
Homestead, FL  
June 2020

## WORK EXPERIENCE

### Amazon

*Software Development Engineer Intern*

Seattle, WA  
June 2024 – August 2024

- Created a full-stack internal self-service tool utilizing Java, JSP, and JavaScript.
- Tool was created to help minimize on-call engineer intervention and allow customers to set specifications on their own.
- Created unit tests using Mockito and Java to increase code coverage.

### CS Sidekicks

*Lead Facilitator and Mentor*

Durham, NC  
October 2023 – April 2024

- Worked in the development and implementation of lesson plans involving students learning HTML and CSS.
- Lead a team of mentors in the instruction of students.
- Acted as a mentor and instructor to several middle school children learning to program via HTML and CSS.
- Assisted in the development of personal websites.

### INIT Build

*Member*

Miami, FL  
January 2024 – April 2024

- Used TensorFlow, Media Pipe, and Python to develop a sign language recognition AI with other members of the Intermediate AI team.

### Franz Lab, Duke University Department of Chemistry

*Undergraduate Research Assistant*

Durham, NC  
January 2023 – January 2024

- My research involves the proteins GAPDH and MenB and is interested in diving into how excess copper concentration in cells leads to cell death and how the structure of proteins changes.
- Extensive training on several chemistry lab techniques and equipment and presented and made poster boards for research.

### JKARE Miami

*Administrative Assistant*

Miami, FL  
March 2021 – May 2023

- Primarily focused on assisting with new proposals including data collection, editing, proof reading, and reviewing business documents for compliance with government and office policies.
- Worked with Microsoft Excel and Jupyter Notebook to create pivot tables, spreadsheets, and linear regression models.
- Assisted via inputting patient information through Bright Tree.

## LEADERSHIP, EXTRACURRICULARS & PROJECTS

### SharingIsCaring

*CS290: Human Skills for Software Engineering, Duke University*

Durham, NC  
August 2024 – December 2024

- Created a full-stack web application using MongoDB, Express.js, and Node.js with a team.
- Involved tracking and facilitating the trading of physical media used for classes on campus.

### Miniature Amazon

*CS316: Intro to Database Systems, Duke University*

Durham, NC  
August 2024 – December 2024

- Created a full-stack web application using HTML, CSS, Python, PostgreSQL, and JavaScript with a team.
- Involves tracking products, stock quantity, sellers, and transactions within a website application mimicking Amazon.

### CodePath

*WEB 101: Intro to Web Development*

Miami, FL  
January 2024 – April 2024

- Further increased skills in HTML, CSS, and JavaScript programming to better develop webpages.

### Hack Duke: Code for Good

*Participant*

Durham, NC  
2022 & 2023

- In 2022, made a project called SyMap with a team which involved user submitted data to update a map to show symptom spread.
- 2023, worked on a published google extension called eBrowse that tracks energy that has been wasted due to re-opening websites and calculating the costs.

## SKILLS, AWARDS, AND INTERESTS

**Languages:** Fully proficient in English and Spanish, and intermediate level proficiency in French

**Programming Languages and Software skills:** Python, Java, CSS, JavaScript, HTML, C, SQL, R, Microsoft Office, NodeJS, Visual Studio Code, Jupyter Notebook

**Coursework:** Programming I & II, Data Processing (NumPy & Pandas), Discrete Mathematics, Intro to Computer Architecture, Data Structures/Algorithms, Intro to Database Systems, Design/Analysis of Algorithms, Human Skills for Software Engineering