

# Carmine Anderson - Falconi

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## Education

**University of North Carolina at Chapel Hill**

*B.S. in Computer Science, Minor in Data Science*

Expected May 2026

*Chapel Hill, NC*

## Skills

**Languages:** Proficient in Python, Java, Typescript, JavaScript, HTML, CSS, Swift

**Technologies:** JUnit, pytest, Docker, Git, Kubernetes, Angular

**Other:** RESTful APIs, HTTP, Web Services, Product Management, Communication, Problem Solving, Critical Thinking

## Technical Projects

**MusAlc** 🎧 | *SwiftUI, FastAPI, Python*

Jan 2025 – Current

- Engineering a **front end application** for a music key identification software using **SwiftUI**.
- Implementing communications with our AI hosting server using **FastAPI**.

**Internship Helper** 🎧 | *Mkdocs, Python, Pydantic, Javascript, Typescript, Docker, HTML, CSS, SQL* Jan 2025 – May 2025

- Engineered a **Internships Directory** into **CSXL**, to aid students pursuing internships to find, apply and obtain internships world wide.
- Improved framework and coding understanding using Angular Framework, and data scraping from existing URLs.
- Collaborated with a **strong team of four**, dedicating **10+ hours a week** to a common goal.

**allgame** 🎧 | *Python, Pygame*

Oct 2023 – Oct 2023

- Engineered 3 **python** games into one .py file using **pygame** for **HackNC 2023** at UNC Chapel Hill.
- Collaborated with a team of three with different technical backgrounds to develop halloween games.
- Improved coding skills while creating an engaging user experience.

## Experience

**Undergraduate Teaching Assistant**

Dec 2023 – Jan 2025

*UNC-CH, Computer Science 110*

*Chapel Hill, NC*

- Independently **led and instructed** Python course sessions, facilitating discussions and supporting student learning.
- Created custom **Python scripts** to help students understand list and dictionary data structures.
- Held office hours to tutor students in **problem-solving** and Python programming concepts.

**Data Analyst/Communications Internship**

Jul 2022 – Feb 2025

*North Carolina Society of Hispanic Professionals*

*Cary, NC*

- **Collected and analyzed data** from educational programs, social media, and company websites to support decision-making.
- Developed data processing scripts in **Python (Pandas)** to automate analysis and improve reporting efficiency.
- Led **website and social media redesigns**, increasing page visits by over **1000+** per month.
- Created and presented data-driven budget reports to stakeholders, including sponsors like **Lenovo**.

## Leadership and Extracurricular Activities

**New Member Education Director**

Dec 2024 – Current

*Kappa Theta Pi, Eta Chapter, UNC Chapel Hill*

*Chapel Hill, NC*

- \* Designed and lead the education process for new members, engaging in professional development and community engagement opportunities.
- \* Conducted workshops aimed to enhance technical and professional skills.
- \* Assisted members in the recruitment processes for internships and new-grad positions, landing each senior member a position in the Tech Space.

**Latinos in Tech, A SHPE Chapter**

Spring 2024 – Current

*Member, UNC Chapel Hill*

*Chapel Hill, NC*

- \* Participate in networking events and workshops to promote diversity in the technology industry.
- \* Collaborate with peers to work on projects that create opportunities for Latinos in technology.