

Christine I. Mendoza

Charlotte, NC | (980) 288-8246 | christine.mendoza@unc.edu | [linkedin.com/in/christine-i-mendoza](https://www.linkedin.com/in/christine-i-mendoza) | github.com/christineiy

EDUCATION

University of North Carolina at Chapel Hill

May 2024

Bachelor of Science - Computer Science; dual major in Public Health (Nutrition); minor - Chemistry

GPA: 3.9/4.0 **Honors:** Dean's List, Honors Carolina, Whitaker Carolina Scholarship, Burger King Scholarship (one-time award of \$1000), UNC-CH Computer Science Charles H. Dunham Scholarship, UNC-CH Tapia Conference Scholarship

Central Piedmont Community College

Jul 2020

Associate of Science - Computer Science and Math (only Math courses taken)

GPA: 4.0/4.0 **Honors:** President's List (all semesters)

RESEARCH

Open-Source Accessibility: Luminary (formerly Polaris) UNC-CH

Jan 2022 - Present

- Launched an initiative to develop a framework for NC universities/organizations to develop campus maps that crowdsource data on accessible routes and potential obstacles utilizing **MongoDB**, **Express**, **Angular**, and **Node.js**
- Communicate with faculty, administrators, and students across multiple departments for design input and awareness
- **Invited talks:** SAS Institute Accessibility Exchange (July 2022)

Enabling Technology UNC-CH, mentors: Dr. Gary Bishop & Dr. Karen Erickson Mar 2021 - Jan 2022 / Aug 2022 - Dec 2022

- Aided in feature development, testing, and bug fixes for the Open-Source Design and Programmer Interface (OS-DPI), an application to allow non-programmers to develop new augmentative and alternative communication interfaces
- Prototyped an open-source Google Drive extension utilizing **JavaScript** and **Google Apps Script** for automatic generation of personalized class forms for the State of Iowa's K-6 Early Literacy Alternate Assessment system

WORK EXPERIENCE

SAS Institute (Education Division), Cary, NC

Year-Round Technical Intern, EVAAS (Education Value-Added Assessment System)

May 2022 - Jan 2023

- Designed a system with **React**, **GraphQL**, **Spring Boot**, and **SQLite** to automate generation of custom client scripts
- Represented front-end web development team in cross-team discussions regarding client requirement management

Year-Round Technical Intern, GAP (Global Academic Programs)

May 2021 - May 2022

- Streamlined the exploration of over 600 datasets in SAS Viya for Learners by creating software with **Python Flask**, **SASPy**, and **SAS 9.4** to model dataset relationships and automate the generation of data analysis documents
- Managed content and supported design of the SAS Viya for Learners Data Repository, which surfaces over 100 data analysis documents and received 1.7K total views/month from 1.5K users in 64 countries within 4 months of creation
- Collaborated with SAS instructors to develop solutions for classroom activities on SAS Visual Analytics and **SAS 9.4**

Department of Computer Science, UNC Chapel Hill

Instructional Assistant, COMP 110 (Intro to Programming and Data Science)

Jan 2021 - May 2021

- Provided one-on-one support to 600 students of varying skill levels in collaboration with 50 other assistants
- Tutored students on topics such as programming fundamentals, data analysis with **Jupyter** and **NumPy**, algorithm development, and **Python** syntax; debugged student code and guided students to apply concepts to resolve bugs

COMMUNITY SERVICE

Secretary of Tar Heels at the Table UNC-CH

Oct 2021 - Present

- Advocate for accessibility in collaboration with 40 members to university administration by synthesizing personal experience with survey data; advise university-wide efforts to survey students on disability
- Create and maintain meeting notes, publicity materials, organization website, and online resources on SharePoint

Treasurer of Nutrition Coalition Gillings School of Public Health, UNC-CH

Jul 2020 - Aug 2022

- Coordinated finances/communication for annual department-wide t-shirt fundraiser with 60 to 120 donors
- Led creation of \$10K+ budget and automated financial data analysis using **Python**, **JavaScript**, and **Excel**
- Created a club website and managed finances and inventory tracking for CJ's Cupboard, the first food pantry in Gillings

Co-Founder & President of Student Researchers in Science Central Piedmont CC

Aug 2019 - Aug 2020

- Increased access to resources and mentoring for students to conduct research in STEM fields (membership: 40)
- Collaborated with club officers to establish the club and write the constitution; developed the club's mission