

George Harris

(314)-225-0580 | gsh@unc.edu | [linkedin.com/in/george-harris-19245620b/](https://www.linkedin.com/in/george-harris-19245620b/) | github.com/gshunc

EDUCATION

University of North Carolina - Chapel Hill – GPA: 3.84/4 Chapel Hill, NC
Bachelor of Science in Computer Science, Minor in Statistics, Shuford Program in Entrepreneurship Aug. 2022 – May 2026
Coursework: Computer Organization, System Fundamentals, Data Structures and Analysis, Foundations of Programming, Algorithms & Analysis, Discrete Mathematics, Calculus of Functions (I, II, III), Linear Algebra, Intro to Probability
Organizations: ACM Carolina, CS + Social Good, Biokind, Undergraduate Student Government, Carolina Choir

TECHNICAL SKILLS

Programming Languages: Java, Python, C, JavaScript, HTML/CSS, Typescript
Frameworks: React, Node.js, Redux, Next.js, TensorFlow, Keras, Tailwind CSS, Firebase, MongoDB, Supabase
Developer Tools/Technologies: Git, Github, Docker, Linux, AWS EC2, VSCode, IntelliJ, Jupyter, VIM, Maven, Vercel, Heroku
Libraries and Packages: Pandas, NumPy, Matplotlib, SKLearn, Chart.js, D3.js, JUnit, JavaFX
Online Courses: AWS Skill Builder (08/2023 - Present), Introduction to Java Programming (May 2022 - Aug 2022)

EXPERIENCE

Undergraduate Researcher Dec 2023 – Present
University of North Carolina Chapel Hill, NC

- Worked with Professor and graduate researcher to collect, clean, and visualize data for Machine Learning Models. Built analytics platform using Chart.js, React, MongoDB for use at FSU and UTSA Hospitals.
- Researched AI systems for medical applications as a member of the Aura Project. Contributed to paper planning and system information collection.

Founding Analyst Aug 2023 – Present
Biokind Analytics – University of North Carolina Chapel Hill, NC

- Worked alongside other founders to develop the UNC Chapter of Biokind Analytics, a nonprofit student organization dedicated to using analytics to draw insights for healthcare partners including 24Foundation and Cancer Services.
- Used Python packages like Pandas, Numpy, Matplotlib, and PyPlot to create data visualizations, run statistical operations, and create models to discover actionable strategies for clients.

Full Stack Software Engineering Intern May 2023 – Aug 2023
TradePending Remote/Carrboro, NC

- Developed features in a React and Typescript application using Redux Toolkit for state management. Implemented RESTful RTK Query API to communicate with a MongoDB back end. Worked on dashboard team, using Agile methodologies.
- Built various pages including user management, billing/contracts management, user settings, help, and more. Optimized API to prevent excess data transfer by 23%, implemented secure user authorization, and built dynamic menus based on user auth.

PROJECTS

Compass Center Chapel Hill Website | *React, Typescript, Next.JS, Firebase, Github, PostgreSQL* Aug 2023 – Dec 2023

- Led a team of 4 as lead full stack developer to build a React resource page for the Compass Center, a community organization in Chapel Hill. Features included role validation, tabular display, and interface for user editing and management.
- Built with React, Typescript, Next.js, with a simple API to pull information from Firebase.

GeorgeHarris.tech | *React, Typescript, Next.JS, Tailwind CSS, Figma* Sept 2023 – Present

- Built personal portfolio website with React and Typescript using Next.js, React, with Tailwind CSS.
- Implemented various features from dynamic routing to Spotify embeds.

RiceSavers – HackNC 2022 Project | *Python, Jupyter, HTML, Javascript, Keras, TensorFlow, Yarn* Nov 2022

- Worked with a teammate to develop, train, and deploy a simple TensorFlow and Keras computer vision model to detect disease in uploaded images of rice crops. Model achieved over 80% success rate.
- Built a simple HTML and JavaScript front end with image submission.
- Awarded Best Junior Hack 2022.

LEADERSHIP

Treasurer Jan 2024 – Present
ACM at Carolina Chapel Hill, NC

- Raised over \$1000 to enable various networking and enrichment events for ACM at Carolina members, submitted budget requests and worked with the UNC CS department to arrange funding. Served as a member of the Executive Board.

Education Team TA/Executive Board Member Jan 2023 – Present
CS + Social Good UNC Chapel Hill, NC

- Member of Exec Board serving as Education Team TA. Taught students development in Typescript, React, SQL, Supabase using Github Classroom. Planned events and optimized new member training. Formerly served as a lead developer.