

# George Harris

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## EDUCATION

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**The University of North Carolina at Chapel Hill | Chapel Hill, NC**

**Bachelor of Science, Major in Computer Science, Minor in Statistics, Shuford Program in Entrepreneurship | GPA: 3.84  
Expected Graduation May 2026**

**Relevant Courses:** Computer Organization, Data Structures, Foundations of Programming, Algorithms & Analysis, Discrete Mathematics, Mathematics for Data Science (Multivariate Calculus for Applications), Calculus of Functions (I & II), Introduction to Entrepreneurship

## TECHNICAL SKILLS

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**Programming Languages:** Intermediate: Java, Python, C, Typescript, Javascript | Beginner: C++ for Arduino

**Technologies/Frameworks:** Advanced: React | Intermediate: Arduino, MongoDB, Sklearn, Numpy, Pandas, Sympy, Next.js, Redux Toolkit | Beginner: VIM, Linux [Docker Containers], Firebase, AWS

**Online Courses:** AWS Skill Builder (Aug 2023 - Present), Coursera: Introduction to Java Programming (May 2022 - Aug 2022) Coursera: AI For Everyone (May 2022 - Aug 2022)

## PROJECTS

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**Compass Center Website | Full Stack Project (CS + Social Good)**

**Oct 2023 - Present**

- Worked with and guided a team of 4 to build a **React**-based resource page for Compass Center, a community organization in Chapel Hill, creating a faster onboarding process for volunteers and a more streamlined user experience.
- Project features include role validation (admin, volunteer, organization, etc.), tabular information display, admin interface for user editing, and resource management. The tech stack for my team included **React**, **Next.js**, and **REST APIs** interacting with **Firebase**.

**GeorgeHarris.tech | Personal Portfolio Project**

**Nov 2023 - Present**

- Designed and built a personal portfolio website with **React** and **Typescript** using **Next.js** with **Tailwind CSS**.

**RiceSavers | HackNC 2022**

**Nov 2022**

- Built a simple HTML and Javascript frontend with image submission, linked with ML Model. Worked with a teammate to develop, train, and deploy a simple **TensorFlow** and **Keras** computer vision model to detect disease in images of rice crops and label which diseases may be present. Awarded **Best Junior Hack 2022**.

## PROFESSIONAL EXPERIENCE

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**Research Assistant | UNC-Chapel Hill Computer Science | Chapel Hill, NC**

**Dec 2023 - Present**

- Worked under Professor Shahriar Nirjon and graduate researchers, completing various tasks from **data collection** to information **visualization**, and learning about **embedded intelligent systems** for everyday life and medicine. Read research papers on cutting-edge **embedded AI** systems, and communicated high-level technical information in a digestible format to partners.

**Full Stack Web Development Intern | TradePending | Remote (Carrboro, NC)**

**May 2023 - Aug 2023**

- Developed a feature-rich **React** application with **Redux Toolkit** for state management. Implemented **RESTful Redux Toolkit APIs** to seamlessly communicate with a **MongoDB** backend, optimizing data retrieval and manipulation. Ensured integration between the front end and MongoDB for a responsive experience. Reduced **Heroku** server load of user management system by 23%.

**Coding Instructor | Code Ninjas | Wildwood, MO**

**May 2021 - Aug 2021, May 2022 - Aug 2022**

- Taught students from ages 8-14 coding principles through a game-based curriculum, developed materials and teaching guides for other employees, and ran camps teaching subjects from Minecraft/Roblox modding to 3D Printing technologies.

## LEADERSHIP EXPERIENCE

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**Founding Analyst | Biokind Analytics | UNC-Chapel Hill**

**Aug 2023 - Present**

- Worked alongside other founders to develop the UNC Chapter of Biokind Analytics, an organization dedicated to using data science and analytics to draw useful and sometimes life-saving insights for the healthcare industry.
- Used Pandas, Numpy, Matplotlib, and SKLearn to create data visualizations, run statistical operations, and create models to discover actionable strategies for clients.

**General Staff Member | Undergraduate Student Government | UNC-Chapel Hill**

**Aug 2022 - Present**

- Worked in various departments of the executive branch office managing projects including social media campaigns, creation of link trees to distribute information to constituents, and developing student experience policy.

**Lead Developer | CS+Social Good Project Team, Compass Project | UNC-Chapel Hill**

**Aug 2023 - Present**

- Lead a team of developers creating a website for a local nonprofit. Responsibilities included direct meetings with Project Managers/Tech Leads and execs to discuss team needs. Organized responsibilities for team members, and was the primary contributor to the code base.