George Harris

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EDUCATION

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

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

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 on-boarding 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. 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 2023 - Present**
- 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

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 use in everyday life and medicine. Read research papers on cutting edge **embedded AI** systems, and communicated high level technical information in 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 frontend 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

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, 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, was the primary contributor to the code base.