George Harris

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EDUCATION

University of North Carolina - Chapel Hill — Chapel Hill, NC
Bachelor of Science in Computer Science, Minor in Statistics, Shuford Program in Entrepreneurship — *Aug. 2022 – May 2026*
Coursework: Computer Organization and Architecture, Data Structures, Foundations of Programming, Algorithms & Analysis, Discrete Mathematics, Mathematics for Data Science, Calculus of Functions (I & II) – GPA: 3.84 / 4.0

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, Typescript
Frameworks: React, Node.JS, Redux, Next.JS, TensorFlow, Keras, Tailwind CSS, Firebase, MongoDB
Developer Tools/Technologies: Git, Docker, Linux, AWS EC2, VS Code, IntelliJ, Jupyter, VIM, Arduino
Libraries: Pandas, NumPy, Matplotlib, SKLearn
Online Courses: AWS Skill Builder (Aug 2023 - Present), Introduction to Java Programming (May 2022 - Aug 2022) AI For Everyone (May 2022 - Aug 2022)

EXPERIENCE

Undergraduate Research Assistant — Dec. 2023 – Present
University of North Carolina — *Chapel Hill, NC*
- Worked under Prof. Shariar Nirjon and graduate researchers to complete tasks from data collection and visualization to developing Machine Learning models.
- Researched embedded AI systems for medical applications.

Full Stack Web Development Intern — May 2023 – Aug. 2023
TradePending — *Remote/Carrboro, NC*
- Developed a feature-rich React and Typescript application with Redux Toolkit for state management.
- Implemented RESTful RTK Query APIs to communicate with a MongoDB back end.
- Built various pages including user management, billing/contracts management, user settings, help, and more
- Optimized API to prevent excess data transfer and reduce Heroku server load of user management system by 23%, implemented secure user authorization, and built dynamic menus for different permissions.

Lead Full Stack Developer — Sept. 2023 – Present
CS + Social Good UNC — *Chapel Hill, NC*
- Led a team creating a website for a community center. Responsibilities included direct meetings with PMs/Tech Lead and execs to discuss team needs. Organized roles for team members, and was the primary contributor to the code base.

PROJECTS

Compass Center Chapel Hill Website | *React, Typescript, Next.JS, Firebase, Github* — Aug. 2023 – Present
- Led a team of 4 to build a React resource page for the Compass Center, a community organization in Chapel Hill, creating a faster onboarding process for volunteers and a more streamlined user experience.
- Features included role validation, tabular information display, and admin interface for user editing and management.
- Built using React, Typescript, Next.JS, with an API built using Next.JS 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 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
- 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 locally uploaded images of rice crops to label diseases that may be present.
- Awarded Best Junior Hack 2022.

LEADERSHIP

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 dedicated to using data science and analytics to draw insights for healthcare partners.
- 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 — Aug. 2022 – Present
UNC Undergraduate Student Government — *Chapel Hill, NC*
- Worked in various departments of the executive branch managing projects including social media campaigns, creation of link trees to distribute information to constituents, and developing student experience policy.