Brianna Ta

brianna.hy.ta@gmail.com • linkedin.com/in/briannata • briannata.github.io

EDUCATION

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

B.S. in Computer Science, Minor in Data Science | **GPA:** 3.99/4.00

Relevant Courses: Computer Organization, Data Structures, Foundations of Programming, Algorithms & Analysis, 2D Computer Graphics, Machine Learning, Web App Development, Computer Vision, Artificial Intelligence

Programming Languages: Python, JavaScript (React, Angular, Node, Express), Java, C, C++
Technologies: OpenCV, Python ML, Node-RED, MongoDB, Google Firebase, SQL, LoRaWAN

WORK EXPERIENCE

Federal IoT Solutions Intern | **Cisco** | **Herndon, VA**   **May 2022 - Present**

- Youngest person to present at Cisco Live, hosting **over 20,000 attendees** (**Developing IoT Application Servers**)
- Implemented an extensible script in **Python** to generate security reports for Cisco's **CyberVision** product
- Created the analytics dashboard and **JavaScript** framework for monitoring facilities and assets for the **US Navy and Air Force** and **over 15 Cisco Data Centers**
- Managed the Cisco High 2022 Program with over **140 externs** at **9 sites nation-wide**

Software Engineering Intern | **TTeK** | **Champaign, IL**   **December 2021 - March 2022**

- Developed an educational admin website in **React** for teachers to track their students' learning achievements and receive learning reports and insights
- Integrated with a dynamic and functional backend database using **Google Firebase**

PROJECTS

Computer Science Experience Labs Website | **UNC-Chapel Hill**

- Collaborated with a team of 4 and developed a fully functional web application with a dynamic **Angular-based** front-end, a **Python** RESTful server-side API, a **SQLAlchemy** relational database that stores back-end application data, and an ORM layer to access data in the database
- Used by over **16,000 Computer Science students** at UNC to explore CS organizations and events

KIWI | **Pearl Hacks**

- Created an automated budget tracker to generate
- Integrated with the **Twilio API** via **JavaScript** to send text notification reminders for
- Awarded the **Most Creative Use of Twilio**

Occupancy Tracking Integration System | **Cisco Webex Hackathon**

- Developed a **MERN stack** web application for autonomously tracking building occupancy during the COVID-19 Pandemic using **Computer Vision** and **Machine Learning** in **Python**
- Awarded **2nd Place** among over **100 teams** participating globally

LEADERSHIP EXPERIENCE

Lead Director | **HackNC** | **UNC-Chapel Hill**   **Jan 2022 - Present**

- Managed and delegated **13 directors** and over **80 committee members** to establish HackNC's mission to embrace and promote inclusivity, accessibility, and ethicality among the Computer Science community
- Developed and executed the event planning strategy for the **largest hackathon** in the Southeastern United States which fostered **800**+ **registrations** with a **60% turnout rate** from representation from **30**+ universities
- Partnered with **14 companies** to raise a total of **$36,000** in funding for our event

President | **CS + Social Good** | **UNC-Chapel Hill**   **Jan 2022 - Present**

- Led **over 160 members** dedicated to using technology for positive social impact in collaboration with **5 organizations**
- Implemented a strategic vision for the club, setting clear goals and objectives to drive member engagement and foster a sense of community among computer science enthusiasts passionate about social change
- Organized and executed diverse events, including workshops, alumni panels, and community outreach initiatives
- Effectively managed club resources, including budgets, event logistics, and promotional activities