

EXPERIENCE

NASA, Goddard Space Flight Center, Greenbelt, MD *Summer Intern*

July 2022 - August 2022

- Implemented analysis and visualization models on satellite data to address atmospheric gravity waves during the 2020 total solar eclipse.

BlairHacks, Silver Spring, MD

Director

June 2021 - May 2023

- Directed two county-wide hackathons, with the latest 2023 event consisting of 70+ attendees from over 20 high schools.
- Led a team of 16 in logistics, finance, and marketing operations.

CCACC Academy, Rockville, MD

Camp Instructor

June 2019 - August 2021

- Served as sole instructor for over 10 K-8 summer camp classes for STEM subjects ranging from web design to Python.
- Personally taught 100+ students in person in classes of ~20.

PROJECTS

Hack Club Jams | JavaScript, React/Next.js, Theme UI

June 2023 - Present

- Developed UI and frontend functionality of an online directory of collaborative coding workshops for Hack Club, an international community of high school coders.

IUFRO Tree Biotech 2024 Conference Website | TypeScript, React/Next.js, TailwindCSS, Sanity CMS

May 2023 - Present

- Exclusively developed and managed the website and content management system of an upcoming international tree biotechnology conference hosted by IUFRO in Annapolis, Maryland in 2024.

Oracle of Blair | TypeScript, React/Next.js, TailwindCSS, Minitab

September 2022 - November 2022

- Developed the website and contributed to a collaborative statistical model to predict the 2022 Senate and Gubernatorial US elections created during a high school political statistics course.

EDUCATION

University of Wisconsin, Madison, WI

August 2023 - *Expected May 2027*

Bachelor of Science in Computer Sciences

Montgomery Blair HS, Silver Spring, MD

August 2019 - *May 2023*

Science, Mathematics, and Computer
Science Magnet (GPA: 4.67)

RELEVANT COURSEWORK

- Data Structures & Algorithms
- Programming II
- Calculus and Analytic Geometry II

SKILLS & PROFICIENCIES

Languages: Java, Python, C, JavaScript, TypeScript, HTML, CSS

Libraries: React, Next.js, TailwindCSS

Developer Tools: VSCode, IntelliJ, Eclipse, Git, Jupyter, Unity

Other: Figma, Fusion 360, Onshape, Photoshop