

Brooke Christiansen

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EDUCATION

Georgia Institute of Technology - Atlanta, Georgia

Aug. 2019 - May 2023

B.S. in Computer Science (Concentrations: People, Devices; Minor: Sustainable Cities; Overall GPA: 4.0/4.0)

PROFESSIONAL EXPERIENCES

Software Engineering Intern, Convoy, Inc.

May 2022 - Aug. 2022

- Had primary ownership of UX and engineering design in addition to full-stack development and testing of self-service interface for contact information changes
- Setup new front-end code repository and GraphQL schema module in existing back-end service
- Used React, TypeScript, Airtable, GraphQL, and Figma

Software Engineering Intern, Viasat, Inc.

May 2021 - Aug. 2021

- Contributed to an intranet application by designing and/or developing 7 features including a navigation bar, profile page, home page, feedback modal that feeds to Slack, and 404 page
- Developed reusable React components for modals, page layouts, dropdown menus, and more
- Used React, Next.js, Strapi, Python, and Figma

Software Engineering and UX Intern, Computer Enterprises, Inc.

May 2020 - Aug. 2020

- Created an application that allows employees to make profiles and search an employee directory
- Created and iterated on Figma prototypes for the entire application and developed features such as a home page, profile page, search results page, and navigation bar
- Used Angular, TypeScript, SCSS, HTML, Bootstrap, Figma, Adobe XD, and Azure

LEADERSHIP AND PROJECTS

College of Computing Head Teaching Assistant, Georgia Tech

Aug. 2020 - present

- Current discrete math head TA; former web development head TA and discrete math regular TA
- Managing 470 students and 20 teaching assistants, creating curriculum and exams, supervising grading of homework and exams, teaching lectures and recitations, and holding office hours

President, Georgia Tech Veggie Jackets (plant-based club)

May 2021 - present

- Managing general and executive meetings, volunteer days, and communication with dining services
- Working with the Humane League to promote and partake in 'fast actions' like emailing and calling businesses and politicians to promote plant-based/humane options for consumers

Extreme Events Engineering Vertically Integrated Project Researcher, Georgia Tech

Jan. 2021 - May 2022

- Collaborated with civil engineering and computer science students to update and add new functionality to MATLAB and Python codebases for earthquake catalog declustering
- Mentored new student in MATLAB, GitHub, and machine learning methods
- Used Zaliapin and Ben-Zion, K-means, DBSCAN, and Gaussian Mixture Model methods to create visualizations and numerical outputs for statistical analysis

Pro Bono Software Developer, Work on Climate

Dec. 2020 - Feb. 2021

- Contributed to a bot using Python, Airtable, and Google App Engine that allows for 10,000+ members of Slack workspace to allow search queries of messages to include results of synonyms

SKILLS

- Development: Java, React, TypeScript, JavaScript, Angular, CSS/SCSS, HTML, Strapi, Python, Neo4j, Airtable, Firebase, SQL, GraphQL, MATLAB, C, C++, Assembly, and VHDL
- Design: Figma, Adobe XD, Canva, and user research
- Languages: English (native) and Spanish (Avant Stamps certified Advanced Low)