

# 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 560 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)