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

President, *Georgia Tech Veggie Jackets (plant-based club)*   May 2021 – present
- Managing general meetings and volunteer events twice a week for club with roster of 600+ students
- Working with the Humane League on 'fast actions' like calling businesses to promote humane consumer options

College of Computing Head Teaching Assistant, *Georgia Tech*   Aug. 2020 – Dec. 2022
- Former head TA for discrete math and web development classes and discrete math regular TA
- Managed 590 students and 25 teaching assistants, created curriculum and exams, supervised grading of homework and exams, taught recitations, and held office hours
- Wrote python script used weekly to check grading validity

Extreme Events Engineering Vertically Integrated Project Researcher, *Georgia Tech*   Jan. 2021 – May 2022
- Updated and added functionality to MATLAB and Python code 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 13,000+ 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 (professional proficiency)