

GRACE E. BARKHUFF

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Education

- Georgia Institute of Technology**, Atlanta, GA August 2022-Present
PhD in Human Centered Computing
Advisor: Dr. Ellen Zegura
- Georgia Institute of Technology**, Atlanta, GA May 2022
M.S. in Human Computer Interaction
- Mount Holyoke College**, South Hadley, MA May 2016
B.A. in Mathematics, Minor in Music, *Phi Beta Kappa*
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Employment

Georgia Institute of Technology

- Graduate Research Assistant** August 2020-Present
- Constructed a survey of computing faculty about their opinions on teaching ethics in the undergraduate computer science curriculum; Advisor: Dr. Ellen Zegura
 - Used human-centered design methods to create a catalog of data tools for use by novices and non-data scientist professionals; Advisors: Dr. Betsy DiSalvo and Dr. Carl DiSalvo
 - Assembled and qualitatively coded 200+ constitutions of rights for the internet with a team of 5+ people located in Georgia and Germany, searching for themes across the documents; Advisors: Dr. Michael Best and Dr. Ellen Zegura
 - Project managed a group of 5 faculty and 9 students designing a website and chat bot to inform voters of wait times for the 2020 general election in Fulton County, GA; Advisors: Dr. Michael Best, Dr. Ellen Zegura, Dr. Richard DeMillo

Appian Corporation: Tysons Corner, Virginia

- Product Manager** May 2018 - August 2020
- Designed and managed the external design system for a low-code business application platform on a team with 8+ software engineers
 - Conducted competitive analyses to choose projects and validated success of features by interviewing customers, analyzing metrics, and conducting usability testing sessions

Quality Engineer

- July 2016-May 2018
- Organized a team of up to 4 testers and planned the testing strategy for an Agile-based team
 - Subject matter expert on WCAG accessibility testing
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Teaching

Lead Instructor

Girls Who Code: Remote

- Summer 2021 and 2022
- Instructed 30 students x 3 sessions in intro to web development

Graduate Teaching Assistant

August 2021 - December 2021

Georgia Institute of Technology, Interactive Computing

- Create lessons and instruct a recitation session for Intro to UI Design
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Presentations

G Barkhuff, AZ Chen, CL Connelly, M Jayaram, N Palladino, D Redeker, ML Best (2022). "Building resources for digital rights advocacy and research: exploring the Digital Constitutionalism Database." Community Lab, presented at RightsCon 2022.

Service

PURA UROP Prize Reviewer Georgia Tech

October 2022

Awards

- GVU Center's Distinguished Master's Student at Georgia Tech, 1 of 3 finalists, 11/2021
- Mary Lyon Scholar, 05/2016
- Sarah Williston Prizes, 05/2016, 11/2015
- Dorey C Currey Scholarship, 05/2015
- Class of 1937 Prize in Math, 05/2015
- Sarah Williston Scholar, 11/2014
- Summer Mathematics Program for Undergraduate Women Participant, 05/2014
- Mildred L Sanderson Prize in Mathematics, 05/2013
- 21st Century Scholar, 2012