DARLEY SACKITEY

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EDUCATION

Georgia Institute of Technology, Atlanta, GA **May 2026**
Doctor of Philosophy, Major in Human-Centered Computing (Human-Computer Interaction (HCI) Specialization). **GPA 4.0/4.0**

Dartmouth College, Hanover, NH **June 2021**
Bachelor of Arts, Major in Quantitative Social Sciences & Cognitive Science. **GPA 3.6/4.0**

RESEARCH SKILLS

Methods: Interviews, Diary Studies, Probes, Participatory Design, Concept Testing, Participant Observation, Topic Modelling, Sentiment Analysis, Survey Analysis, Focus Groups, Content Analysis, Cluster Analysis, PCA Analysis, User Testing.
Technical: R, Python (NLTK, spaCy), Figma, Excel, Matlab, Nvivo, Atlas.ti, Dedoose, Qualtrics.

PUBLICATIONS

- **Sackitey, D**., Sachdev, H.A. and Parker, A.G., 2025, April. Virtual Solidarity, Concrete Care: A Review of Mutual Aid Online. In *Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems* (pp. 1-23).
- **Sackitey, D.,** O'Leary, T.K., Paasche-Orlow, M., Bickmore, T. and Parker, A.G., 2023, April. " Everyone is Covered": Exploring the Role of Online Interactions in Facilitating Connection and Social Support in Black Churches. In *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems* (pp. 1-17).
- O'Leary, T.K., Stowell, E., **Sackitey, D.,** Yun, H.S., Wright, D., Paasche-Orlow, M., Bickmore, T. and Parker, A.G., 2022. Church after sunday: Supporting everyday well-being through techno-spiritual health interventions. *Interactions*, *29*(4), pp.90-93.
- Johnson, M.J., Hovey, C.L., Sanders, S., Stallworth, C., Mendes, R., Parker, A.G., Choi, A., Francis, S., **Sackitey, D.,** Chernova, S. and Patel, M., 2024, May. Lessons Learned from Developing and Implementing a High School CS Bridge Program. In *Proceedings of the 2024 on RESPECT Annual Conference* (pp. 51-59).

PRESENTATIONS & WORKSHOPS

Presentations
- **Sackitey, D.**, Sachdev, H., Bickmore, T., Paasche-Orlow, M., Parker, A.G., 2025, November. Assessing Faith-Based Conversational Agents for Health Education. In *APHA 2025 Annual Meeting and Expo*. APHA.
- **Sackitey, D.**, Tafete, R., Carter, S., Idris, M., Hernandez, N., Chandler, R., Parker, A.G., Oguamanam, V. and Farinu, O., 2023, November. Being superwoman–stress disclosure and support-seeking behaviours of black pregnant women online. In *APHA 2023 Annual Meeting and Expo*. APHA.

Invited Talk
- Dartmouth College Cognitive Science Seminar 2023.

Posters
- Graduate Student Poster Symposium (Best Poster Prize).
- Georgia Clinical and Translational Science Alliance Conference 2023.

Workshops
- Future of Hybrid Care Workshop CHI 2023.

RESEARCH EXPERIENCE

Georgia Institute of Technology, Atlanta, GA **August 2021-Present**
Graduate Research Assistant, Wellness Technology Lab--Andrea Grimes Parker
- Designed and evaluated socio-technical interventions for community health, including a prototype digital platform for churches, developed in close collaboration with stakeholders; published as first author at ACM CHI.
- Evaluated a health education chatbot through interviews and surveys, examining how cultural and spiritual tailoring shaped user engagement and trust in digital health communication.
- Conducted a systematic review of online mutual aid networks to examine how communities coordinate social support at scale during health crises (COVID-19) and beyond; published as first author at ACM CHI.
- Led NLP and content analysis of 10,000+ Facebook posts to identify behavioral patterns in digital mental health coping strategies; findings presented at APHA and at invited talk at Dartmouth.
- Co-developed and implemented a CS curriculum for high school students, tested with 52 students, resulting in an increase in research skills and knowledge for >80% of students; published in RESPECT.

Apple, Cupertino, CA   **September 2023-January 2024**
Human Factors Research Intern, Apple Health
- Led user research on a novel Apple Health feature (launched 2024), championing an evaluation approach centered on participant engagement and decision-making in health contexts.
- Identified core user needs and principles that informed design strategy, improving how users interpret and act on health information.
- Initiated cross-functional collaborations with designers and researchers to ensure prototypes reflected research findings.
- Delivered high-impact, data-driven recommendations to senior stakeholders, resulting in full adoption of proposed design principles across the product team.

Spotify, New York City, NY   **June 2021-August 2021**
User Research Intern, Podcast Team
- Synthesized insights from 40+ internal and external research sources, resolving fragmented understandings of user behavior into 3 actionable engagement strategies; identified 6 research opportunities for future innovation.
- Led user concept testing with 15 participants, exploring motivations, preferences, and interaction patterns with emerging podcast experiences.
- Collaborated with designers to prototype 5 novel interaction models in Figma, aligning product design with user needs.
- Applied a Value-Effort matrix to prioritize features with the highest potential impact, directly informing 2023 product development roadmap.

Dartmouth College, Hanover, NH   **January 2019-June 2021**
Research Assistant, Augmented Health Lab led by Temi Prioleau
- Coded and analyzed 1000+ news reports, supporting the development of COVID-19 symptom prediction system.
- Led design and user research for a diabetes management intervention, generating insights to inform health behavior support and drive ongoing research.

Dartmouth College, Hanover, NH   **January 2019-June 2021**
Research Assistant, Jacobson Lab led by Nick Jacobson
- Conducted user testing and led a redesign of a mental health management app, improving usability and enhancing users' ability to interpret and act on mental health information.

Dartmouth College, Hanover, NH   **January 2018-June 2021**
Research Assistant, Social Systems Lab led by Thalia Wheatley
- Coded and analyzed video data to identify behavioral patterns and support qualitative research findings.
- Conducted literature reviews to map current research and identify key gaps and opportunities for future study.

Dartmouth College, Hanover, NH   **January 2018-June 2021**
Research Assistant, Phillab led by Jonathan Phillips
- Analyzed experimental data using R, applying k-means clustering and principal component analysis (PCA) to uncover patterns in participant behavior.
- Conducted a meta-analysis to synthesize findings across studies and evaluate overarching trends in the field.

TEACHING & MENTORSHIP

Georgia Institute of Technology, Atlanta, GA   **May 2025-Present**
Teaching Assistant, Digital Health Equity (96 students)
- Graded assignments and provided feedback to reinforce students' understanding of equity-driven health design and intervention evaluation.

Dartmouth College, Hanover, NH   **January 2020-June 2020**
Teaching Assistant, User Experience Design (30 students)
- Led labs and held office hours, guiding students through design tools (e.g., Figma) and offering one-on-one support on usability, accessibility, and iteration.
- Graded assignments and provided detailed feedback on UX research, wireframes, and interface design.

Dartmouth College, Hanover, NH   **June 2020-June 2021**

Animation Instructor (12 students)
- Designed and taught a summer course introducing animation principles and tools to beginner students.
- Led interactive lessons, developed curriculum materials, and guided students through creative projects.
- Created and graded assignments, providing individualized feedback to support skill development and visual storytelling.

Dartmouth College, Hanover, NH   **April 2018-August 2019**

Calculus Tutor (5 students)
- Synthesized lecture content and academic research into clear, accessible lesson notes to support student learning.
- Facilitated one-on-one tutoring sessions, adapting explanations and techniques to fit individual learning styles and challenges.

Dartmouth College, Hanover, NH   **September 2020-June 2021**

International Student Mentor (5 students)
- Mentored international students, supporting their transition to life in the U.S. and helping them adapt to academic and cultural aspects of university life through regular check-ins, resource sharing, and personalized guidance.

AWARDS

- First Place Graduate Poster Symposium Senior Student Category (2025).
- Academic Achievement Award for Cognitive Science (2021).
- Crisis Challenge Competition Finalist for Health Equity Platform Prototype (2020).
- Dartmouth College Consortium in the Studies of Race, Migration, and Sexuality Fellow (2020).
- Dartmouth College Rockefeller Leadership Fellow (2019).
- Dartmouth College Management and Leadership Development Program Fellow (2019).
- Dartmouth College Best Impact Design Project (2019).

LEADERSHIP & SERVICE

Georgia Tech African Graduate Students Association, Atlanta, GA   **August 2024-Present**
Marketing and Social Lead

Housing Plus (Housing Non-Profit), Atlanta, GA   **March 2024-Present**
Marketing & Fundraising Volunteer

Metro Atlanta Mutual Aid Fund, Atlanta, GA   **February 2024-Present**
Community Programs Volunteer

Summit on Responsible Computing, AI, and Society, Atlanta, GA   **October 2024**
Volunteer

Stemnova (STEM Education Non-Profit), Hanover, NH   **January 2020-June 2021**
Web Design Lead