

Colin Roberts

College Park, MD | 571-331-7827 | cdeanro@icloud.com | LinkedIn | Portfolio

Education

| | |
|---|------------------------------|
| University of Maryland, College Park <i>Master of Science (M.S.), Human-Computer Interaction</i> | College Park, MD May 2026 |
| Virginia Polytechnic Institute and State University <i>Bachelor of Science (B.S.), Psychology</i> | Blacksburg, VA May 2024 |

Professional Experience

| | |
|---|--|
| CREATE LAB <i>Lead UX Researcher</i> | College Park, MD Aug 2024 – Present |
| <ul style="list-style-type: none">Led cross-disciplinary collaboration with 5+ researchers to design culturally relevant features, increasing participant engagement by 15% from baseline to current development stage.Applied HCI/UX principles to enhance culturally adapted mHealth app development, improving feature usability scores by 20% across two iteration cycles.Conducted usability tests with 15+ participants on the Phoenix mHealth app, identifying key pain points for iterative design improvements. | |

| | |
|--|---------------------------------------|
| PrivateEye Lab <i>UX & Human Factors Research Intern</i> | Blacksburg, VA Aug 2023 – Jun 2024 |
| <ul style="list-style-type: none">Conducted 25+ user studies exploring methods that achieve privacy guarantees for eye-tracking datasets in the context of defending against re-identification attacks on gaze-based biometrics.Designed and administered mixed-methods research protocols — including experimental design, surveys, and behavioral data coding — using precision eye-tracking hardware. | |

| | |
|--|-------------------------------|
| Multicultural Academic Opportunities Program <i>UX Research Intern</i> | Blacksburg, VA Summer 2023 |
| <ul style="list-style-type: none">Executed a full research cycle for AutoPrint, an automated debugging tool, gathering insights from 20+ participants across varying technical backgroundsIdentified key pain points in the developer workflow and delivered prioritized, evidence-based UX recommendations that informed the next design iteration. | |

Relevant Projects

| | |
|---|---------------------|
| Primary Care Coalition (PCC) Partner Portal — Capstone Project | Aug 2025 – May 2026 |
| <ul style="list-style-type: none">Led end-to-end project management and UX research on a 5-person Agile team, overseeing sprint planning, stakeholder communication, and delivery of a secure partner portal for a Montgomery County nonprofit.Led stakeholder interviews across healthcare partners to surface user needs, accessibility gaps, and system integration requirements, consolidating findings into structured design briefs.Designed iterative wireframes, high-fidelity prototypes, and a comprehensive design system connecting PCC's public website and Microsoft SharePoint; usability testing showed a 10% improvement in task success rates from baseline to prototype and an estimated 1-hour weekly reduction in time spent finding and accessing shared documents. | |

| | |
|---|---------------------|
| Blacksburg Transit Redesign | Aug 2023 - Dec 2023 |
| <ul style="list-style-type: none">Conducted user research and usability analysis with 15+ Blacksburg Transit riders, identifying critical gaps — missing delay notifications, lack of capacity tracking, and poor route visibility — directly shaping the scope of the redesign.Synthesized findings from focus groups and low-fidelity prototype testing to prioritize high-impact design changes, iterating multiple rounds in Balsamiq and Figma.Delivered a high-fidelity prototype in Figma that met all expert evaluation criteria; a 5-person baseline study and post-prototype usability tests estimated a 15% improvement in user efficiency in navigating real-time transit information. | |

Publications

Willis, H.A., **Roberts, C.** (November, 2025). Helping Black Youth and Young Adults Cope with Racism-related Stress Using mHealth: The Development and Pilot Testing of a Culturally-Tailored AI Chatbot. *59th Annual Convention of the Association of Behavioral and Cognitive Therapies*. New Orleans, LA.

Technical Skills

Research Methods: Usability testing, stakeholder interviews, focus groups, heuristic evaluation, competitive analysis, affinity diagramming, journey mapping

Design & Prototyping: Figma, Miro, PowerPoint | **Data & Analysis:** SPSS, Excel, Python

Coding: JavaScript, HTML/CSS