

EVOLONE LAYNE

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EDUCATION

Carnegie Mellon University, School of Computer Science

Aug 2024 - Aug 2025

Master of Human-Computer Interaction, Human-Computer Interaction

Howard University, College of Engineering and Architecture

Aug 2020 – Dec 2023

Bachelor of Science, Computer Science

GPA: 3.79

TECHNICAL SKILLS

Python, Git, Swift, Objective-C, React.js

RESEARCH EXPERIENCE

Carnegie Mellon University, eHeart Lab, Understanding Conversation Groups

Pittsburgh, PA

Graduate Researcher

August 2024 - Present

- Conducting user research and thematic analysis to support the needs of ESL learners and facilitators, organizing findings with a codebook.
- Designed targeted research plans and used Miro to synthesize insights from participant quotes
- Applied HCI methods, including think-aloud and co-design, to enhance user-centered research approaches

Carnegie Mellon University, Human-Robotic Social Interaction in Hospitals

Pittsburgh, PA

Graduate Researcher

August 2024 - Present

- Leading individual research on human-robotic social interaction in hospitals, focusing on understanding the needs of medical professionals
- Conducting customer discovery interviews and drafting an IRB proposal to guide research direction
- Shadowing a Robotics Institute professor to learn lab processes and the research paper development process

Carnegie Mellon University, RoboTutor

Pittsburgh, PA

Undergraduate Researcher

June 2021 – August 2021

- Contributed to RoboTutor, an open-source Android app designed to help children ages 7-10 with limited access to education learn basic reading, writing, and arithmetic independently
- Authored a paper detailing a bug replication process that utilized an app with screen recording capabilities to capture testing sessions and identify bugs
- Worked on a system that generated a JSON file containing relevant information to track errors, allowing the application to restart from specific points without redoing the entire walkthrough

INTERNSHIP EXPERIENCE

Apple Inc., Watch Complications

Cupertino, CA

Software Engineering Intern

May 2024- Aug 2024

- Led the design and implementation efforts for a Watch Face project, driving it from concept to completion
- Collaborated with cross-functional engineering teams to troubleshoot and resolve complex technical challenges like bridging Objective-C and Swift files

Cisco Systems Inc.

Remote

Capstone Project

Aug 2023- Dec 2023

- Contributed to Cisco's OCI-native container image registry
- Enhanced UI by integrating a delete button for image tags using React.js, improving user efficiency

Apple Inc., Health

Sunnyvale, CA

Software Engineering Intern

May 2023- Aug 2023

- Prototyped and coded a Swift UI user-facing page to increase understanding of cycle tracking and its relevance to current medical situations
- Spearheaded the design and prototyping of visual enhancements for a pre-existing page, utilizing SwiftUI to create dynamic and responsive user interfaces
- Integrated data into the visual prototypes by seamlessly incorporating SwiftUI into the existing Swift codebase, ensuring a cohesive and user-friendly experience
- Engaged in iterative development processes, refining prototypes based on user feedback and evolving project requirements, contributing to an agile and adaptable development environment

Apple Inc., Watch Frameworks*Software Engineering Intern*

Cupertino, CA
May 2022- Aug 2022

- Developed a watchOS implementation of the ColorPicker SwiftUI API
- Drafted an API proposal for a new ColorPicker initializer
- Collaborated with Human Interface team on watch-centric design

National Aeronautics and Space Administration, JPL*Reference Missions Systems Engineering Intern*

Remote
Jun 2021- Aug 2021

- Developed tools to enable multiple developers to work on a single Jupyter Notebook by merging their changes with other's work, including suggested resolution of merge conflicts

CERTIFICATES

CITI Program, Social & Behavioral Research Training

*Aug 2024 – Aug 2027***COMMUNITY INVOLVEMENT**

- National Consortium of Graduate Degrees for Minorities in Engineering, Fellow *May 2024 – Present*
- Google Developer Student Club, President *Jul 2022 - Aug 2023*
- National Society of Black Engineers, Member *Aug 2020 – Present*
- Carnegie Mellon University Pathways Robotics Fellow *May 2024 – Present*