Kaitlyn Ng

925-964-5068 kgn@andrew.cmu.edu kaitlynng.com LinkedIn GitHub

Education

Carnegie Mellon University
May 2026

B.S. in Electrical and Computer Engineering & Human-Computer Interaction Pittsburgh, PA

GPA: 3.77 (Dean's List)

Relevant Coursework: Interaction Design for HCI, Designing Human-Centered Software, Product Design Fundamentals, Computer Graphics, Computer Systems, AI Representation and Problem Solving

Experience

Personalized Learning Squared (PLUS)
Dec 2023 – Present

Product Design Intern Pittsburgh, PA

- Transitioned external tutor scheduling Google spreadsheet to site-embedded scheduling table: optimizing tutor, lead tutor, and admin workflows with personalized schedule displays and alert banners.
- Determined users' needs and JTBDs through self-created and conducted user studies involving directed storytelling and interactive modeling.
- Spearheaded UI Facelift utilizing the GitHub Primer design system for CMU LearnLab's DataShop@CMU: an online learning science dataset resource.

CMU HCII Augmented Perception Lab
Jun – Aug 2023

Undergraduate Researcher Pittsburgh, PA

- Collaborated with Dr. David Lindlbauer on MineXR: a Meta-funded research project on how people integrate and orient personalized apps (widgets) in extended reality (XR) within everyday spaces.
- Conducted and designed 20+ two-hour user studies developing MineXR's overall database ie. widget placement and placement reasoning.
- Annotated 70+ widgets within database describing their UI components to model the XR space in Unity, determining and categorizing commonly-grouped widgets.

SkyRealmAI
Jun – Aug 2023

Product Design Intern Pittsburgh, PA

- Prototyped AI Chat Bot UI that helps aspiring consultants with interviews utilizing interactive text boxes and hover-sensitive buttons in Figma.

Leadership

CMU alpha Kappa Delta Phi
May 2024 – Present

Design Chair and Webmaster Pittsburgh, PA

- Sustained aKDPhi's core values and mission by elevating + updating CMU aKDPhi's official website and designing digital flyers for CMU aKDPhi's social media.

CMU Dept. of Electrical and Computer Engineering
Jan 2024 – Present

Intro to ECE TA and Computer Systems TA Pittsburgh, PA

- Led and organized two 5-student weekly small groups honing in course concepts, clarifying misconceptions, and handling logistical issues such as technical bugs and lab extensions.
- Facilitated 2-5 hours of weekly office hours helping students debug circuit, signal, hardware, and software-based labs.

CMU User Experience Association
Aug 2023 – Present

Content Team Board Pittsburgh, PA

- Published weekly UX articles and interviews delving into topics such as digital accessibility and AI for UXA's "Interaction Nerds" newsletter, reaching an audience of 400 subscribers.

Honors

TartanHacks 2023: Most Disruptive Technology
Feb 2023

Retro2Future Pittsburgh, PA

- Designed modeling program to render 2D VTI medical files in 3D space.
- First place out of 350 hackers and 60 projects for "most significant technological innovation that disrupts the status quo".

Skills

Languages	Technologies	Methods
Python	Figma	User Interviews
C/C++	Adobe Creative Suite	Usability Testing
HTML/CSS	LaTeX	Wireframing
Javascript		Prototyping
		Developer Handoff