

Education

Olin College of Engineering | Bachelor of Science in Engineering with Computing | *Class of 2024*

Relevant Coursework Software Design, User Experience Design, Accessible Web Design, Mixed Methods Product Evaluation, Data Science, Collaborative Design, Foundations of Computer Science

Skills

Mobile and Web Development Swift (SwiftUI), Python, Git, JavaScript, HTML and CSS, Drupal 9, R

User Experience and Interface Figma, Adobe Illustrator, Wireframes, Storyboards, Usability Heuristics, Interaction Maps

Accessible Interface Design WCAG 2.0, Section 508, VoiceOver and Blind/Low Vision Accessible Design

Experience

Mobile App Developer

January 2023 - August 2023

Course: Social Technology with Purpose (STEP) & OCCAM Lab Research Group at Olin College | Needham, MA

Designed and developed an AR based short-distance navigation app for the blind in Figma and Swift.

- Evaluated usability and styling of my team's existing app, Clew; redesigned in Figma to fix extreme UX and accessibility issues
- Designed new code architecture using the MVVM framework to improve performance and decouple backend and frontend code
- Worked closely with the backend team to implement a new technology, cloud anchors, to change from single route based navigation to shared map based navigation; iterated quickly to keep up with rapid backend advancements
- Implemented multiple builds of the app in Swift (SwiftUI) while mentoring new team members on the language and code base

App Designer and Developer

March 2022 - Present

Personal Project: Dahlia Health Tracking

Created a health tracking app designed for the highly variable needs of those with complex chronic illness.

- Designed and tested experience flows and interface styling in Figma
- Created app icon, custom SF symbols, and other custom styling components using Adobe Illustrator
- Designed and implemented a 'fill-in-the-blank' style interaction flow that walks users through a no-code customization process
- Coded in Swift (SwiftUI) with a focus on reusable interface components and implemented local backend storage using JSON files

Web Developer

August 2023

Personal Project: evelynkessler.com

Designed and coded a concise portfolio website from scratch in HTML, CSS, and JavaScript.

- Implemented accessibility best practices including high contrast color scheme, simple understandable language, an easy to navigate architecture, and HTML containers and alt text

Web Designer

February 2022 - August 2022

Olin College Disability Services | Needham, MA

Designed a resource website in Drupal 9 with strict accessibility guidelines, including conformance to WCAG 2.1 and Section 508. Handed-off to new development team to complete implementation of my design.

- Designed taxonomy, tagging system, and layouts in Figma and built website skeleton in Drupal 9
- Identified accessibility needs of community; conducted interviews to design interactions and information architecture
- Defined color palette, typography, and imagery guidelines for consistent branding and accessibility
- Completed extensive accessibility testing using NVDA and VoiceOver screen readers, color blindness simulators, and more
- Documented design decisions and code organization for a smooth hand-off to future development teams