Evelyn Kessler

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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, Data Science, Foundations of Computer Science, Discrete Mathematics, Collaborative Design, Quantitative Engineering Analysis

Skills

Coding Languages and Tools   Swift (SwiftUI), Python (MatPlotLib, PyGame), JavaScript (Vue, React), HTML & CSS, C++, R

Software Development Methodologies   Agile, Kanban, Source Control (Git), Machine Vision

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

Experience

Software Engineering Student Consultant (Pfizer, Inc) — *August 2023 - Present*

Course: Senior Capstone Project in Engineering (SCOPE) | Needham, MA

Lead front-end development in team of five student consultants on a project for the Global Clinical Supply Team at Pfizer.

- The Global Clinical Supply (GCS) Team manages and supports hundreds of clinical trials at any one time. Our project is to create a sustainable, live software model to better represent complexity and risk in the supply chain for a global clinical study.
- Evaluating existing data input/output systems (dashboards, etc); conducting interviews, ethnographic studies, and user experience product evaluation. Redesigning communication systems with the goal of getting the right information to the right people at the right time. Designing new statistical models to evaluate complexity and risk in a way that produces actionable insights.

App Designer and Developer — *March 2022 - Present*

Personal Project: Dahlia Health Tracking

Created a health tracking app designed for the variable needs associated with tracking complex chronic illness.

- Designed and tested experience flows and interface styling in Figma, designed and produced iconography in Adobe Illustrator.
- Coding in Swift (SwiftUI) with a focus on reusable interface components and code readability.
- Implementing back end storage using locally stored JSON files: investing security needed for medical information storage.

Mobile Application Developer — *January 2023 - August 2023*

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

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

- Evaluated usability and styling of team's existing app, Clew, and redesigned to fix extreme experience and accessibility issues.
- Designed new code architecture using the MVVM framework to improve performance and decouple front- and back end code.
- Led front-end development team; mentored three team members on Swift, accessible iOS development, and our code base.
- Worked closely with back end team to implement new technology, cloud anchors, to enable map based navigation system; iterated UX and UI and coded 10+ builds in an Agile development process.

Web Developer — *August 2023*

Personal Project: evelynkessler.com

Designed and coded a concise portfolio website from scratch (no frameworks or templates) in HTML, CSS, and JavaScript.

- Implemented accessibility best practices including high contrast color scheme, easy readability, HTML containers, and alt text.

Web Designer — *February 2022 - August 2022*

Course: Accessible Web Design & Office: Olin College Disability Services | Needham, MA

Designed a website with strict accessibility guidelines, including conformance to WCAG 2.1 and Section 508.

- Designed taxonomy, tagging system, and layouts in Figma and implemented website skeleton in Drupal 9.
- Documented design decisions and code organization for a smooth hand-off to future development teams.