EMILY KORANDA

SOFTWARE ENGINEER AND UI/UX DESIGNER

I enjoy using my design skills to create visually appealing applications and collaborating with clients to develop solutions customized to fit their unique needs. In my ideal position, I would combine my interest in design with my technical expertise to create fully integrated front-end systems where not only is the technical implementation influenced by the design, but the design is developed with the underlying technologies in mind. Achieving the best of both worlds, and creating a great user experience.

WORK EXPERIENCE

SOFTWARE ENGINEER
Implicit Technologies (2021 - current)
- Designed novel interfaces ground the ground up working closely with clients
- Developed rapid prototypes to receive customer feedback
- Researched and evaluated suitable technologies to meet business needs
- Developed complete front-end systems iteratively from UI/UX design through software implementation using modern web technologies, including JavaScript, React, Tailwind, etc.

SOFTWARE ENGINEER
Research Data and Communications Technology
(Summer 2019 and Summer 2020)
- Designed an intuitive request system to allow non-technical scientists to request high-performance computing resources securely and efficiently
- Built graphical tools to allow privileged managers to easily define business rules for requests
- Utilized Imixs-Workflow, an open-source business process management library utilizing BPMN 2.0 logic

MY PROJECTS

Housing Advertisement Web Application (2021 - Current)
Designed and built a frontend web application for a Madison, WI based housing advertising firm built specifically to be modern, fast, and interactive to increase user retention and revenue

IEP Dashboard Prototype (2022 - Current)
Created a high fidelity prototype of a secure dashboard for an organization specializing in IEP, built to help parents and caseworkers manage each individual student. Allowed for customer to decide how to move forward building their application

Healthi.ly Android Application (2021)
Built an Android app that derived relevant health metrics from cellphone sensor data to generate suggestions for improving a user's health, relevant to the user's geographical location

Personal Portfolio (2022 - Current)
Developed a personal portfolio built in React from scratch with custom components, animations, incorporating the principles of responsive design

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MY EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE
MINOR IN DIGITAL STUDIES
University of Wisconsin - Madison
(2018 - 2022)

MAJOR GPA: 3.76 / 4.00

Girls Who Code (2016 - 2019)

Dean's List (5x)

Relevant coursework:
- Building User Interfaces, Human-Computer Interaction, Software Engineering, Database Management Systems
- Data Structures, Machine Organization and Optimization, Algorithms, Operating Systems, Intro to AI
- GeoComputing, Digital Globe: GIScience & Tech, Information Security and Privacy

SKILLS

Technical Skills
Proficient in JavaScript, CSS, React, React-Native, jQuery, Tailwind, Bootstrap, Android, Kotlin, Java, C, Python, SQL and NoSQL, Linux, and Git
Familar with Apache Tomcat, Wildfly, and AWS

Methodologies
Experience with agile software development, UX and software design patterns, responsive design, rapid prototyping, and customer discovery

UI/UX Tools
Figma, AdobeXD, Photoshop, Premeire