Anjali Justice

Software Engineer/UX Designer

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SKILLS

Programming
C/C++
HTML/CSS
JavaScript
React
Angular JS
Python

Software
Github
Visual Studio
Figma

Courses
Data Structures and Algorithms
Web Systems
User Interface Dev
Computer architecture
Technical Communications

Design
User Interface
Web Design
Prototyping
Scenario Design

Other
Communication
Teamwork
Flexibility
Self-management
Leadership
Pilot training

EDUCATION

University of Michigan
B.S.E in Computer Science
Expected Graduation: May 2020
HAIL Scholarship recipient (High Achieving Involved Leader Scholarship)

ENSEA - France
Probabilistic Methods in Engineering, French language and culture
Learned the basic concepts of probability theory and random process, and applied them to computer science topics. Learned to adapt to new environments in foreign countries.

Kalitta Pilot Training
Private Pilot License
Expected Completion: Aug 2019
Logged many hours of flight training and ground school towards a Private Pilot's license thereby aquiriing extensive knoledge of aerodynamics and aircraft performance.

PROJECTS

Union Pacific Cost and Profitability Measurement System (CPMS)
Multidiciplinary design project
• Delivered a comprehensive UI of Union Pacific's CPMS.
• Developed a new production system using a Java backend and leveraging Angular JS and HTML for the frontend.
• Worked with a team of students to develop and update services for Union Pacific and perform error checking and validation on previous Union Pacific screens.

Priority Queue design
Class Project
• Developed efficient data structures and algorithms, and implemented several types of priority queues using C++.
• Created a program to escape a user-crafted "mine" by taking the easiest route determined by priority queues.
• Implemented an interface using templated code, inheritance, and basic dynamic polymorphism.

Venmo Redesign Proposal
Personal Project
• Created surveys and conducted user interviews to analyzed both quantitative and qualitative data to determine pain points for Venmo users
• Proposed new UI features and changes to increase ease of use and improve overall user experience
• Created mock-up designs using Figma for several steps in the design process

LEADERSHIP AND EMPLOYMENT

Kappa Theta Pi Professional Technology Fraternity Jan 2018 - Present
Website development committee
• Work alongside other KTP members to develop and update a website using CSS, HTML, Javascript, and Github.
• Contribute to weekly meetings to discuss the development of technology in the local community, the ethical ramifications of technological developments, and new technologies that other members specialize in.

Solo Aviation Inc.   May 2017 - May 2018
Line Crew/Dispatch Desk
• Managed student, instructor, and plane schedules, trained incoming employees, and answered customers phone calls regarding flight school and Solo's services.
• Maintained up-to-date knowledge of student and instructor accounts as well as Solo Aviation's policies