

# SAZEDA SULTANA

sazedasultana44@gmail.com

sazedasultana.com

## Education

**MASTER OF SCIENCE | AUGUST 2020 – JUNE 2022 | CALIFORNIA STATE UNIVERSITY, FULLERTON**

- ♦ Major: Software Engineering

**BACHELOR OF SCIENCE | SEPTEMBER 2017 – AUGUST 2020 | UNIVERSITY OF CALIFORNIA, IRVINE**

- ♦ Major: Informatics (Specialization in Organizations and Information Technology)

**ASSOCIATE OF SCIENCE | DECEMBER 2014 | LOS ANGELES CITY COLLEGE**

- ♦ Major: Computer Science
- ♦ Graduated Summa Cum Laude

**ASSOCIATE OF SCIENCE | JUNE 2017 | LOS ANGELES CITY COLLEGE**

- ♦ Major: Mathematics and Natural Science
- ♦ Graduated Magna Cum Laude

## Technical Skills

**Programming Languages:** HTML, CSS, JavaScript, React, C++, Java, Python

**Concepts:** UI/UX, Web Design, UX Research, Front-End Development, Sketch, Prototype, Mock-Up, User-Flow, Persona, User-Story

**Software:** Bootstrap, React, WebStorm, VSCode, Notepad++, Adobe XD, Figma, Mockplus, Moqups, Axure, Git, GitLab, Jira, Office 365

## Honors and Awards

**UNIVERSITY OF CALIFORNIA, IRVINE**

- ♦ Donald Bren School of Information and Computer Science Honors Program Student | 2019 – CURRENT
- ♦ Undergraduate Research Opportunities Program Fellow | 2020
- ♦ Campuswide Honors Collegium Student | 2017 - CURRENT
- ♦ Regents Scholar | 2017 | 2018
- ♦ Deans Honor List | Spring 2019 | Fall 2019 | Winter 2020
- ♦ Honors Courses
  - I&C SCI H197 - Honors Seminar
  - IN4MATX H198 – Honors Research

- HUMAN H80 – Exploring Memory

### **LOS ANGELES CITY COLLEGE**

- ◆ Member of the Ralph Bunche Scholars Program | 2014 - 2017
- ◆ President's Honors List | Fall 2011| Spring 2012| Fall 2012
- ◆ Full-Time Dean's Honor List | Spring 2017
- ◆ Part-Time Dean's Honor List | Spring 2011 | Fall 2011 | Spring 2012 | Fall 2012| Spring 2014 | Fall 2015 | Spring 2016
- ◆ Honors Courses
  - Physics 011 - Introductory Physics
  - Physics 102 - Physics for Engineers and Scientists II
  - Physics 103 - Physics for Engineers and Scientists III
  - Math 261 - Calculus I
  - Math 262 - Calculus II

### **WEST LOS ANGELES COLLEGE**

- ◆ Part-Time Dean's Honor List | Fall 2014

### **Research Experience**

#### **UNIVERSITY OF CALIFORNIA, IRVINE**

Honors thesis on exploring the design features that can motivate children to use educational technologies at a higher rate

- ◆ Supervisor: Professor Gloria Mark

Research project on redesigning a web app called Paper Browser Tool

- ◆ Supervisor: Professor Daniel Epstein

#### **LOS ANGELES CITY COLLEGE**

Honors research paper on electricity and magnetism

- ◆ Supervisor: Professor Derrick Kiley

Honors research paper on magnetic forces and fields

- ◆ Supervisor: Professor Derrick Kiley

Honors research paper on black hole facts

- ◆ Supervisor: Professor Derrick Kiley

Honors research paper on mathematicians' contributions to theories of derivatives

- ◆ Supervisor: Professor Ronald Kendis

Honors research paper on mathematicians' contributions to theories of integration

- ◆ Supervisor: Professor Ronald Kendis

## Work Experience

### **STEM TRANSFER PEER MENTOR | UCI STUDENT SUCCESS INITIATIVES | JUNE 2019 – JUNE 2020**

- ◆ Advocated mentees from the School of Information and Computer Science for their academic accomplishment with help with IT internship, research, commuting or living on campus, and shared ideas for participation and involvement on campus.
- ◆ Referred ICS mentees to on-campus resources and responded to inquiries about student life at UCI. Provided them assistance and direction for superior success in Computer Science and Engineering classes and future career.

### **HONORS PEER MENTOR PROGRAM COORDINATOR | UCI CAMPUSWIDE HONORS COLLEGIUM (CHC) | APRIL 2019 – CURRENT**

- ◆ Coordinated CHC Peer Mentor Program and trained honors mentors.
- ◆ Helped plan events for CHC freshmen and transfer peer mentors and created the pairings between mentors and mentees.

### **HONORS PEER MENTOR | UCI CAMPUSWIDE HONORS COLLEGIUM | JUNE 2018 – CURRENT**

- ◆ Helped plan and organize community events for CHC students.
- ◆ Developed relationships with mentees to understand their challenges and provided support to fulfill their goals and overcome challenges.

### **CAMPUS CLIMATE INTERN | ASSOCIATED STUDENTS @UCI | SEPTEMBER 2018 – SEPTEMBER 2019**

- ◆ Created tangible projects to make sure that UCI is a space of safety and support for marginalized identities such as women, black, Latina, AAPI, LGBTQ, immigrant students, international students, and undocumented students. Addressed issues that these communities face to ensure everyone feels safe, supported, and welcomed at UCI.

### **MATH TUTOR | LOS ANGELES CITY COLLEGE | FEBRUARY 2016 – AUGUST 2017**

- ◆ Helped students get better achievement in their math classes.
- ◆ Motivated a wide range of students toward their math success through interpersonal communication and collaboration.

## Projects

### **Redesigning Supplemental Data Management Tool: A Web App Enhancement**

#### **Project Leader & Front-End Developer**

- ◆ Lead a group of 5 to create a web app that allows Paciolan's clients to manage the metadata of their events.
- ◆ Redesigned the search page for SDM UI to allow for searching via different keywords.

- ◆ Created a UX mock-up for the search page. The search page has an input box that allows the user to search based on event-name, event-code, season-name, and season - code.
- ◆ Implemented search-result page from front-end client-side features with HTML, CSS, JavaScript, and React.
- ◆ Produced data table to display, and sort the list of events below the search area with the fields being visible such as event start-date, event-name, season-name, event-code, and season-code.
- ◆ Constructed filtering options for SMS, Barcode Sharing, and NFC in the search result table.
- ◆ Built components for the search result page using React.

### **Redesigning Paper Browser Tool: A Web App Enhancement**

- ◆ Redesigned a web app through conducting low to high fidelity mockups for better UX.
- ◆ Annotated and categorized research papers from the Association of Computing Machinery (ACM) library to design with a focus on studying and designing for health and wellness domains with an emphasis on understanding and overcoming barriers to data collection and reflection.
- ◆ Implemented the design in the app for better user experience with research paper browsing functionalities with HTML, CSS, and Typescript.

### **Redesigning Freerice.com: User Experience Design and Engineering**

- ◆ Conducted competitive analysis on freerice.com.
- ◆ Understood it's potential users, and other stakeholders through interviews and surveys.
- ◆ Identified and characterized usability issues of the system through usability experiment and cognitive walkthrough.
- ◆ Redesigned aspects of the user experience of freerice.com through sketching, wireframing, storyboarding, and creating mockups based on evidence generated.
- ◆ Evaluated the usability of the redesign through heuristic evaluation, synthesis, editing, and proofreading.

### **Scrutinizing Google Shared Drives: Google drive from Computer-Supported Collaborative Work Perspective**

- ◆ Investigated features in Google drive that lead to workflow disruptions such as lack of organizational features, communicational capabilities for collaboration, workspace awareness, etc.

### **Technological Determinism: Impact of Social Media in Our Society**

- ◆ Conducted a video project on how social media shapes human thoughts and behavior and how it causes various changes in humans and society.

## **StudentAssistantSystem: A New Single Interface for Managing Student Data from Multiple-Systems**

- ◆ Created precise requirements specification of a new system to simplify a complicated task of running a Junior High School's students' data by conversion from manual work to an app.

## **PeekPeek: A Website Enhancement**

- ◆ Created a new desktop website for a premium 360° company specializing in fully customizable VR tours called PeekPeek with a unique horizontal scrolling feature to improve usability and to have a smoother experience.
- ◆ Implemented vertical scrolling functionality for the mobile website.
- ◆ Added separate pages to the app.
- ◆ Added image carousal using Vue.js.