

DANLING WANG

STUDENT | DEVELOPER | DESIGNER

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EDUCATION

University of California, San Diego 12/2021

Bachelor of Science

Overall GPA: **3.85**

Major: **Computer Science** | Minor: **Design**

Selected Coursework: Object-Oriented Design, Operating Systems, Advanced Data Structures, Database System Principles, Design for Development, Prototyping.

WORK EXPERIENCE

SDE Intern - Amazon AWS 6 - 9/2019

React, GWT, SQL, AWS, UI/UX Design

- Migrated the Reserved Instances page of the Relational Database Service (RDS) console from GWT to React and pushed to production.
- Constructed a production traffic analyzer with a detailed timeline of network requests in React, helping the team backtrace client-side performance issues.
- Assembled the tool into a shared library to be used by all other AWS consoles.

Mobile App Developer - UCSD 1/2019 - Present

React Native, Flutter, AWS, Figma, UI/UX Design

- Introduced an RSVP feature to the UC San Diego mobile app to help all on-campus organizations track event attendance, serving 10,000+ students in need.
- Cooperated with a client to create the feature with Flutter and AWS services, and integrated it with an existing tool on the UC San Diego website.

Tutor - UCSD 9/2018 - 6/2019, 3 - 6/2020

Java, Leadership, Teaching Techniques

- Courses tutored: Object-Oriented Programming, Basic Data Structures and Object-Oriented Design, and Principles of Computer Operating Systems.
- Communicated with over 600 students regarding course materials in Java, C, and Assembly programming.
- Coordinated quiz reviews, course development, and discussion sessions with faculty members.

RESEARCH EXPERIENCE

ReCODE Health 3/2020 - Present

React, UI/UX Design, Qualitative Research

- Analyzed transcripts of interviews with developers of digital health products to identify incentives and generate semi-structured interview questions.
- Redesigned the Connected and Open Research Ethics (CORE) platform of ReCODE Health, providing an accessible and customizable experience for over 1,000 ReCODE network members.
- Conceptualized redesigns by following UX principles to improve usability and functionality, and realized with React and Node.js.

SELECTED PROJECTS

Meal Delivery App 3 - 12/2019

React Native, GraphQL, MongoDB, UI/UX Design

- Collaborated with six peers to implement a group-buying meal ordering system around UC San Diego for consumers, merchants, and deliverers.
- Helped design and implement two mobile apps with React Native and one web app with React.
- Incorporated learnings from team meetings and client feedback to create a user-friendly interface.

UC3D Education Project 6 - 9/2020

React, GraphQL, MongoDB, UI/UX Design

- Constructed interactive lessons with data visualizations and animations using React and GSAP.
- Organized course content into an immersive narrative guided by visual components and track learning metrics for professors to gather feedback.

SKILLS

Languages: Javascript, HTML5, CSS3, Java, Python, C/C++, Assembly(ARM)

Others: React, React Native, Flutter, Git/Github, Vim, MongoDB, AWS, SQLite, Agile Software Development

Interests: UI/UX Design, Software Development, User Research