YICHEN (CORA) XING

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EDUCATION

University of California, San Diego

B.S. in Computer Science | Minor in Design
September 2017 — June 2021 (Expected)

- **Relevant Coursework:** Data Structures & Object-Oriented Design, Math Algorithms and Systems Analysis, Design of Everyday Things | **GPA:** 3.65 / 4.0

CodePath iOS Mobile Bootcamp

October 2018 — December 2018

- Engaged in coding labs through a 12-week program by designing & building a fully functional Flashcard iOS app from scratch using XCode and Swift

EXPERIENCE

UCSD Information Technology Services (ITS)

ITS Service Desk/Residential Networking Technician
September 2018 — Present

- Provided network and computer support for 10,000+ campus residents to solve issues related to internet connectivity, malware, and more
- Improved customer service response workflow, by responding to 50+ service requests per week to troubleshoot hardware and software issues

PROJECTS

Carbon Footprint Calculator

github.com/absambam/Carbon-Footprint-Calculator
October 2018 — Present | SD Hacks | Python, Flask, HTML, CSS

- Created web application that calculates carbon dioxide emission for travel based on distance, fuel efficiency of vehicle, and transportation
- Used Google Cloud Platform's Google Maps APIs to calculate distance between locations from JSON outputs and to generate a map for travel

ANY-A Math Education

github.com/annsudhart/hackxx2018
April 2018 | HackXX 2018 1st Place Hack | Java Graphics APIs

- Collaborated with teammates to create Java applet that empowers elementary schoolers through gender inclusiveness and math education
- Used Java graphics APIs to create text boxes and buttons for optimal usability organization for the product's user interface

IoT Laundry Machine Monitor

tinyurl.com/y8vmwdzf
April 2018 — June 2018 | IEEE Quarterly Projects | Python

- Implemented a laundry machine monitor that indicates laundry machine availability in shared laundry rooms through sound detection
- Used a Raspberry Pi, a USB microphone, Python, and integrated APIs (Adafruit IO and SciPy) to analyze sound with Fast-Fourier Transforms

SKILLS

Programming (proficient)

- Java, C, C++, ARM

Programming (familiar)

- HTML, CSS, JavaScript, Python

Other Tools

- Git, Vim, bash, MATLAB, LaTeX

Design/Media

- Adobe Illustrator/Photoshop/InDesign/ Lightroom/AfterEffects, Figma

ACTIVITIES

Triton Engineering Student Council

Visual Design Lead | Jun 2018 — Present

- Designed SDHacks 2018 and career fair websites visited by 1,000+ people
- Collaborated with people across diverse engineering disciplines to improve information and content organization

California Academy of Sciences

Museum Docent | Jun 2016 — Aug 2016

- Educated museum visitors on exhibits, developed & maintained interactive activities to improve visitor knowledge

AWARDS

- **JP Morgan Chase Winning Women**
  Selected among 35 women in the nation to attend a two-day software engineering leadership program
- **1st Place Hack at HackXX 2018**
  Awarded for inclusivity of teamwork and creating a polished product to promote empowerment through math education
- **Revelle Freshman Honors Program**
  Invitation-only program for high-achieving freshmen at UCSD's Revelle College
- **UCSD Provost Honors**
  Awarded for consecutive quarters of achieving a 3.5+ GPA