

Theresa Chen

CONTACT ME

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

Bachelors of Science
COMPUTER SCIENCE
GPA: 3.4 | Expected May 2022

SKILLS

LANGUAGES:

Java • Python • HTML • CSS • MySQL
Mandarin • Cantonese

TOOLS AND TECHNIQUES:

Microsoft Office • Adobe XD • User-Centered Design
Sterile Technique • Light Spectroscopy
Pipetting • Gel Electrophoresis • Serial Dilutions

COURSES

Structure and Interpretation of Computer Programs
Data Structures
Human-Centered Design in Cybersecurity and Mobility
Foundations of Data Science
General Biology
General Chemistry and Laboratory
Organic Chemistry

PROJECTS

THE ENIGMA MACHINE

- Programmed replication of the WWII German “Enigma” machines used for encrypting its military communications, built to handle numerous possible configurations of machine and messages to encode and decode
- Worked with Java’s String, HashMap, ArrayList, and Scanner data structures to handle string manipulation, data mapping, and file reading for encryption

MOBILE DESK SYSTEM FOR MLK STUDENT UNION

- Employed UI/UX concepts to design a web desk booking system that allows students to view map of seat availabilities and reserve desks ahead of time
- Collaborated with team members to use user-centered research tools to gather data on problem space and used it to build our HTML and CSS code

EXPERIENCE

STRUCTURE AND INTERPRETATIONS OF CS PROGRAMS

ACADEMIC INTERN | AUG 2019 – PRESENT

- Prepare lab lecture material on Python, Scheme, and SQL concepts for Berkeley students taking the course
- Work alongside instructors to help current students in office hours and lab needing assistance in homeworks and large-scale programming projects

SAN MATEO CANCER RESEARCH

STUDENT AUTHOR | OCT 2016 – MAY 2018

- Reviewed and simplified research papers on immunotherapy and targeted therapy for easier and more efficient reader understanding
- Studied recent advances in targeted therapy and immunotherapy research, including the CRISPR/Cas9 system and CAR T-cells
- Interviewed active researchers and patients to gather first-hand insight on current state of gene therapy research

LEADERSHIP

FEMTECH AT BERKELEY

LAUNCH CHAIR | AUG 2019 – PRESENT

- Coordinate both off-campus tech events hosted by Bay Area tech companies and on-campus professional development workshops for students interested in the tech industry
- Mentor K-12 students in Berkeley/Bay Area schools interested in computer science by holding weekly coding and college guidance workshops

BERKELEY PROJECT FINANCIAL AFFAIRS COMMITTEE

FINANCE CHAIR | JAN 2019 – PRESENT

- Partner with small businesses to secure monetary and food donations for over 1600 Berkeley Project volunteers
- Create weekly meeting agendas for finance and external committee members
- Collect and organize preference data of all Berkeley Project volunteers, ensuring correct orders of food and t-shirts and seamless distribution