

LILY SAI

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OBJECTIVE

College student with a passion for computer science, data science, and design seeking an internship opportunity to learn and enhance my skills

EDUCATION

University of California, Berkeley

Bachelor of Arts, Intended Computer Science Major, CS Scholar

Overall GPA: 3.566 Major GPA: 3.5

Related Coursework:

- Structure and Interpretation of Computer Programs (CS 61A)
- Designing Information Devices and Systems I (EE 16A)
- CS Scholars Seminar: The Educational Climate in CS & CS61A technical discussions (CS 36)
- Data Structures (CS 61B)*
- The Foundations of Data Science (DATA 8)*
- Web Design Decal (DES INV 198)*
- Introduction to Mathematical Thinking Decal (CS 198 GRP 087)*

Clubs/Organizations: Association of Women in EE&CS, Institute of Electrical and Electronics Engineers, Society of Women Engineers, CS Kickstart Curriculum

Berkeley, CA

Expected

May 2022

San Mateo High School

Weighted GPA: 4.434 Unweighted GPA: 3.981

Related Coursework: AP Computer Science A, AP Calculus AB, AP Calculus BC, AP Physics 1, AP Physics C Mechanics, AP Studio Art Drawing, Art and Multimedia

San Mateo, CA

2014-2018

College of San Mateo

Overall GPA: 4.0

Related Coursework: CIS 254: Introduction to Object-Oriented Program Design

San Mateo, CA

2014-2016

PROJECTS/EXPERIENCE

High School Course Scheduler

- designed and developed a program during CalHacks 5.0 to optimize the creation of high school course schedules using google forms, google app script, csv files, and Python
- wrote algorithms to optimize student & teacher placement into courses
- intended to help high school counselors expedite the course scheduling process

Berkeley, CA

2018

CS Kickstart Curriculum Committee Curriculum Developer

- design and update curriculum for future CS Kickstart participants (around 50-60 Freshman girls/year)
- work specifically on the web sub-committee to develop a mock-up to illustrate the possibilities of web design
- write foundational web design core curriculum (HTML and CSS)

Berkeley, CA

2018-Present

CS Kickstart, Mafia Role Generator

- participated in a week-long introductory program for girls in computer science
- programmed a mafia role generator in Python as a final project, utilizing techniques such as the time module, reading user input, and ASCII/ANSI in order to manipulate the terminal

Berkeley, CA

2018

SMHS Robotics Team Member	San Mateo, CA
- designed club t-shirts, buttons, and posters for outreach and publicity	2017-2018
- taught club members, with no programming experience, the basics of Java	
Math Tutoring Volunteer Peer Tutor & Mathnasium of Foster City Math instructor	San Mateo, CA
- clarified concepts taught in class using alternate teaching styles and methods	Foster City, CA
- worked with students of all ages (K-12) and backgrounds (ELD students)	2015-2016,
- assisted with school-assigned math homework and competition math	2017-2018
California State Summer School for Mathematics and Science, Santa Cruz	UC Santa Cruz, CA
Cluster 5: Video Games: The Design of Fun from Concept to Code Participant	2016
- designed and created an interactive story game with a team using Twine, Unity, and Photoshop	

LEADERSHIP

Art Club President (2017-2018), VP (2016-2017)	San Mateo, CA
- conducted weekly meetings	2016-2018
- organized and supervised 50+ participant Chalk Fest (annual event where students create large chalk art)	
Green Team Publicity Lead	San Mateo, CA
- designed flyers and posters to publicize events	2016-2018
- introduced a new recycling program to high school with team	
Random Acts of Kindness Treasurer	San Mateo, CA
- organized activities to spread kindness and positivity around the community	2017-2018

SKILLS

Language	Web Development	Programming	Digital Design
- English (native)	- HTML	- Python	- Adobe Photoshop
- Chinese (speaking)	- CSS	- Java	- Adobe Illustrator
- French (intermediate)	- JavaScript	- Scheme	- Adobe InDesign
		- SQL	

INTERESTS

Badminton	Art	Piano
- played varsity girls singles 1 and doubles 3 in high school	- enjoy drawing landscapes	- enjoy learning and playing a combination of classical and contemporary pieces
- invited to Peninsula Athletic League tournaments twice	- work mostly in pencil, chalk pastel, and acrylic paint	- passed ABRSM Piano Grade 8
	- design and illustrate greeting, birthday, and holiday cards	

ACHIEVEMENTS

Recipient of National Merit Pfizer Inc Scholarship	2018
National Merit Finalist	2018
California Scholarship Federation Life Member	2018
Recipient of SafeAmerica Credit Union Scholarship	2018
National AP Scholar	2017
AP Scholar with Distinction	2016
Participant in Speak and Lead with Pride 2016	2015-2018
San Mateo High School Spring Art Show	2017
San Mateo Union High School District Art Show	2016
San Mateo County High School Artist Hall of Fame	2016
American Society of Asian Arts Certificate of Honor for "Gold Star" Outstanding Youth Artist	2016
CA Cultural and Arts Institute The Outstanding Painting Award	2016
Published San Mateo High School Spring Art Show Poster	2015