

# Maya Harvey

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## EDUCATION

**Stanford University**      **Stanford, CA**

*B.S. Candidate in **Computer Science**, Human-Computer Interaction Focused      2024*

*GPA: 3.64 / 4.0*

## SKILLS AND COURSEWORK

### Technical Skills

- *Python, C/C++, JavaScript, HTML, CSS, ReactJS, Node.js, Express.js, MongoDB/Mongoose, GitHub, Matlab, Powerpoint, Figma, Debugging*

### Relevant Coursework

- *Computer Systems, Social Computing, Web App design, Prototyping and Product Design, Data Structures, Computer Logic Theory, Females in Technology Studies, Rhetoric, Computational Modeling of Minds*

## COMPUTING / DESIGN EXPERIENCE

### Full Stack Photo Sharing Application with React

*Frontend and Backend experience, UI/UX Design      2022*

- Created a photo app in 3 weeks with ability to log users in and out with encrypted passwords, have users upload and comment on photos, sustain a database for new users, make profiles private, an activity page, tagging photos, @mentions in comments, and interactive, clean design using Gestalt Principles
- Used REST APIs to communicate with the DOM and Database using GET, PUT, and POST HTTP requests
- Developed a solid understanding of browsers, links, routers, and UI/UX design and efficiency

### Bare Metal Programming on Raspberry Pi

*Embedded systems      2021*

- Coded a computer shell with keyboard and display using command line, without an operating system, powered by a breadboard circuit and 40-pin GPIO header Raspberry Pi with serial connection to a laptop
- Compiled libraries beginning with the microprocessor and ending in C including: programs for navigating the ARM architecture, formatting strings, creating a stack and heap allocator, keyboard and graphics, and a system monitor with interrupts for concurrency
- Learned to dissect the runtime stack in an executing program and to control sizing and lifetime of storage by allocating and deallocating memory on the heap
- Fluent with hardware communications, validating scancodes and data bits, processing key events, drawing to bitmap framebuffers, and sending these messages to the GPU

## LEADERSHIP IN SPORTS

### Team USA Beach Volleyball

*International Team Captain      2017-2020*

- Demonstrated integrity, determination, and leadership representing the USA overseas
- Developed communication skills by creating lasting relationships with athletes of many cultures
- Traveled to Nanjing, China to participate in 2018 FIVB U19 World Championships
- Traveled to San Vito Lo Capo, Italy and won the 2019 ISF World Championships

## OTHER EXPERIENCES

- 4 year shift manager at Sunlife Organics, responsible for nurturing relationships with community and neighboring establishments in person and online as well as balancing the checkbook
- Varsity Scholar-Athlete on the Stanford Beach Volleyball Team, PAC-12 Honor Roll
- Designed and implemented an app prototype for equitable healthcare with a novice design team