Ethan Pang

ethanp5@berkeley.edu ❖ (669) 262-5845 ❖ linkedin.com/in/ethanpang5 ❖ ethanpang5.github.io

EDUCATION

University of California, Berkeley   **June 2020 – Present (Graduation, May 2024)**

B.A. Computer Science | GPA: 3.875/4.0 | CAA Leadership Award Recipient | Upsilon Pi Epsilon (CS Honor Society)

Relevant Coursework

- CS: Interpretation of Computer Programs/Data Structures and Algorithms/Computer Architecture/Efficient Algorithms/Intro to Artificial Intelligence
- Other: Designing Information Devices & Systems (EECS)/Discrete Mathematics and Probability Theory

Spring 2022 Coursework: Intro to Machine Learning/Principles of Data Science

EXPERIENCE

Data Science Discovery Program   **September 2021 - Present**

- Joined the Public Editor project of Goodly Labs through UC Berkeley's Data Science Discovery Program under the User Monitoring team
- Tasked with analyzing data about volunteer editors to award user scores that affect their influence on assessing articles free of bias with pandas

UC Berkeley CS61B Tutor   **June 2021 - August 2021**

- Was accepted to be on course staff for UC Berkeley's core data structures course, CS61B
- Prepared and presented supplementary mini-lectures to students to reinforce concepts learned in class and guided students through practice questions to solidify understanding of material
- Answered student questions on the public class forum about assignments and concepts, and provided debugging help in real time to students with their projects

Browser Organization Website with React   **February 2021 - May 2021**

- Created a customizable productivity website to organize favorite websites into one centralized dashboard
- Used HTML, CSS, JavaScript and React to design the front-end interface
- Stored data with Google Firebase to keep track of favorite websites

Mini Git Clone with Java   **February 2021 - April 2021**

- Created a version control system based off of git using Java
- Implemented common commands (commit, checkout, merge, push, pull, etc.) following git's specifications
- Allowed creation, deletion and modification of actual files on the system via the command line interface

Personal Website   **December 2020**

- Built a portfolio website with HTML, CSS, and JavaScript showcasing a timeline of events and past projects
- Hosted on Github: https://ethanpang5.github.io/

FIRST Tech Challenge Robotics   **August 2016 - June 2020**

- Built robots to compete in competitions using purchased, machined and 3D printed parts
- Used Java and Android Studio to program the robot to perform autonomously through sensor readings, computer vision, and mathematical algorithms and to respond to human input via a physical gaming controller
- Organized and lead team outreach efforts to spread industry awareness of FIRST robotics and teach STEM skills to others through public workshops, tech company tours, and mentorship of younger robotics teams
- Advanced to World Championships three of four years and served as team Co-Captain in the 2019-2020 season

SKILLS

- Java, Python, C, HTML, CSS, JavaScript, Swift, SQL, RISC-V
- React, Firebase
- Android, IOS, Linux, git, pandas, computer architecture, Solidworks, machine learning concepts, statistical tools (scikit-learn)

Awards/Leadership

- California Alumni Association Leadership Award
- Upsilon Pi Epsilon: Nu Chapter (CS Honor Society)
- Chinese Student Association Officer: Webmaster