

Rishab S. Jain

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EDUCATION

University of California, Los Angeles – Samueli School of Engineering

Los Angeles, CA

Bachelor of Science in Computer Science; GPA: 3.79

Expected June 2023

- o **Honors:** UPE Inductee (2020 Fall), Dean's Honors List (x2)
- o **Relevant Courses:** Operating Systems, Intro to Machine Learning, Algorithms & Complexity, Programming Languages, Computer Network Fundamentals, Algorithms in Bioinformatics, Analysis, Linear Algebra

EXPERIENCE

Appfolio, Screenings

Santa Barbara, CA

Software Engineer Intern

June 2022 - Present

- o Implemented and delivered a full stack solution for a new feature ensuring up to date reports for legal compliance. This included implementing JSON APIs in Ruby, updating SQL models, and using React to improve customer experience.
- o Improved on the letters and preapproval flow by implementing JSON APIs and enhancing front-end presentation
- o Increased customer satisfaction by initiating and executing new features to improve accessibility using TypeScript and Rails
- o Researched and planned database redesign for a future feature to allow backfiling and decrease the number of queries by 50%
- o Built further customizability for rental application wordage that was critical for legal compliance for customers

Appfolio, Utility Management

Santa Barbara, CA

Software Engineer Intern

June 2021 - September 2021

- o Migrated a SQL database to build detailed explanations of utility charges based on specific customer feedback
- o Developed an image sharer application from scratch using Ruby on Rails to comprehend language conventions
- o Implemented a historic utility bill record view by reworking JSON API requests and creating new React components
- o Built a Slack Bot to guide meetings by splicing data from google forms as an internal Hackathon project using Python

Northrop Grumman Defense Systems

Northridge, CA

Software Engineer Intern

June 2020 - August 2020

- o Designed a C++ program to determine correct legal statements using a binary tree and recursive search method
- o Launched a VBA Macro Part List Comparison tool reducing time spent on this task from 5 hours to 3 minutes
- o Reconstructed and prepared over 10 technical design documents to be sent to customers

ENGINEERING PROJECTS

SYF Games (Hack On the Hill 7)

February 2020

A real-time multiplayer music guessing game

- o Won "Best Overall Hack" based on difficulty, creativity, and marketability, from a committee of 13 individuals
- o Implemented a database with a player table and song table using SQLite3 and Flask
- o Developed a web application to communicate player guesses between the front-end and back-end using Python

ACTIVITIES & LEADERSHIP

Upsilon Pi Epsilon(UPE), California Beta Chapter

Los Angeles, CA

Induction Director

June 2021 - Present

- o Increased total applications by 17% for officer positions by altering the introductory process for new members
- o Planned, setup, and held over 6 different events including 3 new events that emphasizing COVID-safety for over 80 people
- o Implemented and planned the one-on-one interview system to encourage collaboration among younger and older members

Association for Computing Machinery(ACM) at UCLA

Los Angeles, CA

Operations Director and Cyber Member

October 2019 - October 2022

- o Planned and directed an introductory meeting with 500+ guests in accordance with UCLA and LA COVID restrictions
- o Organized, hosted, and moderated a virtual panel of 4 tenured CS professors for 90 minutes in front of over 60 students
- o Participated in DTCC's CTF 2020 placing 22nd out of 133 teams

SKILLS

- o **Technical Skills:** C++, C, Python, Ruby, OCaml, TypeScript, Scheme, SQL, JavaScript and Java
- o **Technologies & Environments:** VSCode, Arduino, Emacs, Raspberry Pi, React, Rails, Bootstrap