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: 3.78   *Expected June 2023*
- o **Honors:** UPE Inductee (2020 Fall), Dean's Honors List (x2)
- o **Relevant Courses:** Intro to Machine Learning, Algorithms & Complexity, Algorithms in Bioinformatics, Linear Algebra

EXPERIENCE

Appfolio, Deploy Division Team   *Santa Barbara, CA*
Software Engineer Intern   *June 2021 - Present*
- 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 basic 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

UCLA, Department of Computer Science   *Los Angeles, CA*
CS 32 Learning Assistant, Introduction to Data Structures & Algorithms   *January 2021 - June 2021*
- o Facilitated weekly discussions on computer science principles like recursion, inheritance, and binary trees for ~40 students
- o Debugged and pair programmed over a 100 student projects such as a zombie-themed game and simple word processor
- o Designed and led 4 workshops on technical interviews, linked lists, basic linux commands, and basic debugging skills

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

ENGINEERING PROJECTS

Popfund   *March 2020 - June 2020*
A platform for communities to support their local businesses
- o Programmed a REST API controller to display local businesses locations on a map view using JSON and MongoDB
- o Maintained and updated over 40 businesses, items, and users in the MongoDB Atlas Database
- o Collaboratively programmed to create a detailed business page view using React JS

SYF Games (Hack On the Hill 7)   *February 2020*
A real-time multiplayer music guessing game
- o Implemented a database with a player table and song table using SQLite3 and Flask
- o Developed an web application to communicate player guesses between the front-end and back-end using Python
- o Won "Best Overall Hack" based on difficulty, creativity, and marketability, from a committee of 13 individuals

ACTIVITIES & LEADERSHIP

Association for Computing Machinery(ACM) at UCLA   Los Angeles, CA
Operations Director and Cyber Member   *October 2019 - Present*
- o Virtually planned, hosted, and moderated a live panel of 4 tenured professors for an hour and half in front of over 60 students
- o Planning and hosting an introductory general meeting with 400 guests in accordance with UCLA and LA COVID restrictions
- o Participated in DTCC's Cyber Security CTF 2020 placing 22nd out of 133 teams

Bruin Racing Baja, Society of Automotive Engineers   *Los Angeles, CA*
Financial Director and Advisor   *October 2019 - Present*
- o Prepared a 182 page report detailing every process, part, fastener, and material used to build the car and estimated cost
- o Raised more than $40,000 of funding in a calendar year, which was the 2nd most fundraised club among UCLA

SKILLS

- o **Technical Skills**: C++, C, Python, Ruby. Proficient in SQL, JavaScript and Java
- o **Technologies & Environments**: VSCode, Arduino, Linux, Git, Emacs, Raspberry Pi, React, Rails