Pranav Sankar Srinivasan

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EDUCATION

University of California, Los Angeles Los Angeles, CA

Bachelor of Science in Computer Engineering, Minor in Entrepreneurship Sept. 2019 – June 2023

- GPA: 3.7/4.0
- Fast Track Honors Program
- Relevant Coursework: Machine Learning, Advanced Algorithms, Data Management Systems, Operating Systems

EXPERIENCE

Uber June 2022 - Sept. 2022

Software Engineering Intern San Francisco, CA

- Developed microservice for verifying updated driver on-boarding business logic across 10,000 serviced cities
- Leveraged Cadence workflows in Go for fault tolerant validation of modified logic before it enters production
- Rebuilt front-end of internal tool used for crafting on-boarding flows with React and Redux to simplify UI

Tesla June 2021 – Sept. 2021

Software Engineering Intern Fremont, CA

- Implemented a RESTful API for a factory software application that can process 100 requests in 1.5 seconds
- Deployed API with auto-generating Swagger documentation used by thousands of engineers to production
- Migrated application and established a Kafka consumer pipeline to load balance between event streaming systems
- Added security enhancements and UI updates to numerous applications in order to strengthen data access control

Robotics and Mechanisms Laboratory Oct. 2019 – Present

Undergraduate Researcher Los Angeles, CA

- Developing website to interface with an autonomous cooking robot
- Using Flask to develop website which is hosted locally on the central Raspberry Pi unit
- Implemented serial communication capability between Raspberry Pi and Arduino to monitor robot sensor data

LEADERSHIP

IEEE Apr. 2021 – Apr. 2022

External Vice President Los Angeles, CA

- Organizing the largest hardware hackathon on the west coast, IDEA Hacks (200+ participants)
- Hosted industry events with industry partners for 300 members and fundraised $7000 for IDEA Hacks

PROJECTS

Code Crumbs | *JavaScript, React, Firebase, Postman, Chrome API*
- Chrome extension that tracks search history alongside Github commits to aid the software development process
- Implemented sign-in/login functionality via Firebase Authentication and capability to toggle the extension on/off

Insta-Chef | *JavaScript, React, Python, Firebase, mealDB API*
- Created web application that allows users to find culinary recipes by name or ingredient and track items in kitchen
- Constructed React components to display recipe information
- Added front-end features to simplify process of tracking ingredients

Power Shower | *C, Arduino*
- Prototyped an IoT smart shower timer in 36-hour hackathon to raise awareness of water consumption in dorms
- Runner-up for "Sustainability Award" amongst 60 participating teams
- Integrated Bluetooth communication between Arduinos to allow for devices to join the IoT ecosystem

TECHNICAL SKILLS

Languages: Python, C/C++, Go, JavaScript, SQL, Swift, HTML, CSS
Frameworks: Cadence Workflow, React, Redux, Flask, Swagger, Bootstrap, UIKit
Developer Tools: Git, MySQL Workbench, Postman, Firebase, VS Code, Node Package Manager, Cocoapods