

# NISHANT BALAJI

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## EDUCATION

### University of California San Diego

3.90 GPA

B.S. Computer Engineering

Oct 2020 - Jun 2024

## WORK EXPERIENCE

### NVIDIA

June 2022 - Present

Software Engineering Intern

Remote

- Working on the **Hardware Infrastructure Group** in the **Test Automation Team** as a Software Engineering Intern.
- Using **React** and **Fast API** to develop a web interface for hardware architects to view tests running on the layers of their hardware.

### NASA Goddard Space Flight Center

August 2021 - December 2021

Software Engineering / Machine Learning Intern

Remote

- Worked on the **Earth Observation System Data and Information System (EOSDIS)** team to work on **usage-based data discovery**.
- Developed automated using **Natural Language Processing** to identify, document, and classify the use of EOSDIS Earth Observation data in research articles and applications.
- Created pipelines to efficiently extract article data and classify them by topic.

### Triton Software Engineering

November 2021 - Present

Full Stack Developer

La Jolla, CA

- Working with **Next.js**, and **PostgreSQL** to create a website for the non-profit organization **League of Amazing Programmers (LAP)**

### Engineers for Exploration: Acoustic Species Identification Project

Feb 2021 - Present

Software Engineer

Remote

- Collaborating with conservation researchers at the **San Diego Zoo** to develop **autonomous pipelines** to identify species vocalizations from over **1500 hours of audio data** collected from the **Peruvian Amazon Rainforest** in 2019.
- Used **React**, **Flask** and **Docker** to assist in development of the Audio Labeling System.
- Improved upon existing features of the labeling system, including the audio labeling page and the user experience to make it more accessible for volunteer users.
- Built functions to help better understand and clarify autonomously labeled outputs, including combining annotations and getting a graph of the general annotation length trends for a particular clip.
- **Summer 2021**: Awarded a **\$5000 scholarship** to continue doing research with the group over the summer.

### NOMAD

Sep 2020 - Present

Software Engineer

Remote

- Socially responsible startup serving to provide affordable real estate rentals to the general public.
- Earned **\$50k+** in non-diluted funding, acquired **15+ listings** in **2 countries**, and completed **UCLA Anderson Venture Accelerator**.
- Used **Stripe** to create a payment workflow for renters and a payout workflow for hosts with **Node.js**, and **React** to .
- Developed **continuous integration pipelines** for deployment on **Firebase** and **AWS Elastic Beanstalk**.

## LEADERSHIP EXPERIENCE

### Association for Computing Machinery (ACM)

May 2021 - Present

VP Events

La Jolla, CA

- Coordinated event logistics for **230+ yearly workshops and social events** held within ACM communities, reaching **1200+ students**.
- Managed a team of 10+ others and assisted in planning st

## PROJECTS

### Taskathon Go!: Activities on the go

<https://taskathon.netlify.app/>

- Created a social app that allows users to select tasks and things to do in their communities.
- Led **weekly stand ups** and **code reviews** in order to make sure product development was on schedule.
- Deployed application on **Netlify** and assisted developers in fixing bugs and code reviews.

## SKILLS

### Languages

Java, Python, JavaScript, Typescript, C, C++, Go, Bash, ARM Assembly, HTML, CSS, MATLAB

### Technologies

React, REST APIs, Node.js, Flask, Figma, MongoDB, Express, Git, JUnit, Make, Android, Robolectric, Espresso

### Software

Amazon Web Services, Google Cloud Platform, Github Actions, Docker, Heroku, Netlify, Valgrind, Postman