

# NISHANT BALAJI

(916)-220-8794 | ✉ nishantb1130@gmail.com | 🌐 nishantbalaji | in nishantbalaji | 🏠 nishantbalaji.com

## EDUCATION

### University of California San Diego

B.S. Computer Engineering

M.S. Computer Engineering

3.74 GPA

Oct 2020 - Jun 2024

Sept 2024 - Jun 2025

## WORK EXPERIENCE

### Roblox

Software Engineering Intern

Jun 2023 - Sep 2023

San Mateo, CA

- Created OpenCloud APIs for access to Roblox's Memory Stores API outside the Roblox Studio platform, using **C#** and **Lua**.
- Worked in a cross-team environment to make product decisions about the APIs, affecting over **10,000 developers**.
- Improved **Open Cloud** processes and standards at Roblox, streamlining the pipeline for future APIs.

### UCSD CSE Department

Tutor

Jan 2023 - Present

La Jolla, CA

- Taught Programming Tools & Techniques to **650+ students** and Advanced Data Structures to **600+ students**
- Led weekly lab sections of **100+ students** in learning and assisting with questions.
- Assisted students with programming assignments in weekly office hours, aiding over **30 students per week**.

### NVIDIA

Software Engineering Intern

Mar 2023 - Jun 2023

Santa Clara, CA

- Worked on the **Hardware Infrastructure Group** in the **Security Team** as a Software Engineering Intern.
- Used **Django**, **Grafana**, and **Open Telemetry** to instrument and provide crucial insights to NVIDIA's Security Auditing Platform.
- Created dashboard that collected valuable **metrics** and other information to streamline and improve development experience.

### NVIDIA

Software Engineering Intern

Jun 2022 - Sep 2022

Santa Clara, CA

- Working on the **Hardware Infrastructure Group** in the **Test Automation Team** as a Software Engineering Intern.
- Using **React**, **Fast API**, and **Redis** to develop a web interface for hardware architects to view tests running on the layers of hardware.
- Implemented **websockets** to live update data throughout the platform, providing users a real-time view of their running test batches.
- Creating **continuous integration pipelines** to effectively test and deploy code using **Docker** and **Kubernetes**.

### NASA Goddard Space Flight Center

Software Engineering / Machine Learning Intern

Aug 2021 - Dec 2021

Greenbelt, MD

- Worked with the **Earth Observation System Data and Information System** team on **usage-based data discovery**.
- Developed automated **Natural Language Processing** tools to identify and classify external usage of Earth Observation data.
- Created pipelines to streamline classification of **6000+ articles** by topic.

## LEADERSHIP EXPERIENCE

### Association for Computing Machinery (ACM) at UCSD

President

May 2021 - Present

La Jolla, CA

- Coordinated event logistics for **230+ yearly workshops and social events** held within ACM communities, reaching **2000+ students**.
- Managed a team of **95+** and collaborated in planning and creating technical workshops, projects, and social events for ACM members.
- Fostered the development of **ACM's outreach program** that exposed computer science to hundreds of underrepresented students.

## PROJECTS

### Triton Software Engineering at UCSD

Full Stack Developer

Nov 2021 - Jun 2023

La Jolla, CA

- Worked with **Next.js** and **PostgreSQL** to create a website for the non-profit organization **League of Amazing Programmers**

### Engineers for Exploration: Acoustic Species Identification Project

Software Engineer

Feb 2021 - Aug 2021

La Jolla, CA

- Collaborated with conservation researchers at the **San Diego Zoo** to develop **automated pipelines** to identify species vocalizations.
- Used **React**, **Flask** and **Docker** in developing the Audio Labeling System to process and visualize over **1500 hours of audio data**.

## SKILLS

**Languages** Java, Python, JavaScript, Typescript, C, C++, C#, Go, Rust, Bash, ARM Assembly, HTML, CSS, MATLAB

**Technologies** React, REST APIs, Node.js, Flask, FastAPI, Redis, PostgreSQL, Next.js, Figma, MongoDB, Express, Git, JUnit, .NET, Make

**Software** AWS, Google Cloud Platform, Github Actions, Docker, Heroku, Netlify, Valgrind, Postman, PSpice, LTSpice