

# Rishi Peddakama

+1 (858) 527-5010 | San Diego, California, US | rishipeddakama@gmail.com  
github.com/rpeddakama | linkedin.com/in/rishi-peddakama | rishipeddakama.com

## WORK EXPERIENCE

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**Software Engineering Intern**  
Qualcomm Inc.

May 2024 — Aug 2024  
*San Diego, CA*

- Implemented efficient pipeline to call Snapdragon Computer Vision C++ code from Python.
- Designed and built high-level wrapper classes for existing C++ computer vision code to model OpenCV's Python library.
- Streamlined codebase comprehension, enabling the Camera team to integrate new features seamlessly.

**Data Analyst Intern**  
Correlation Ventures

Jun 2023 — Aug 2023  
*San Diego, CA*

- Utilized advanced LLMs to populate the company database with relevant information, enhancing the algorithm-based investment process.
- Engineered an automated Python script, reducing data processing time by over 40 hours per investment decision.

**Design Intern**  
CodeCombat Inc.

May 2022 — Feb 2023  
*San Francisco, CA (remote)*

- Collaborated with Development VP to spearhead curriculum design for new product launch.
- Contributed as a backend developer to the game Ozaria, supporting a platform used by over 20 million learners worldwide.
- Provided critical insights as an AP CSA student, assisting in the creation of effective study materials that met AP standards.

## PROJECTS

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**Infinity Judge** (view here)

- Developed an open-source online judge for algorithmic coding problems with isolated sandboxes to protect from malicious code (implemented with Docker).
- Technologies: JS, Python, Node, Docker, React, Firebase authentication.

**Rapid Report** (view here)

- Performed sentiment analysis on twitter activity and curated e-newsletters to provide daily news without doing any reading.
- Technologies: JS, Python, Node, React.

**MIT Beaver Works Summer Institute**

- Selected to autonomous vehicles research cohort (less than 5% acceptance rate).
- Explored technologies including LIDAR and depth-imaging through project-based learning.

## EDUCATION

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**Duke University**; BS, Computer Science and Mathematics (Double Major); GPA 3.95

Aug 2023 — May 2027

- Relevant Coursework: Data Structures & Algorithms, Discrete Math, Proof-Based Linear Algebra

## SKILLS

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**Programming Languages**  
**Technologies**

Typescript/Javascript, Python, Java, C++  
React, Node, Docker, Flutter, Databases (Mongo, Firebase, AWS), Tensorflow

## ADDITIONAL INFORMATION

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- **Competitive Programming Awards** — USA Computing Olympiad Gold Division, 2x American Computer Science League National Finalist, 2x Google Code-Jam Qualifier, 2x Facebook HackerCup Qualifier
- **Research Experience** — 1st at SD Science Fair in Computational Biology; speaker at 10th Annual Summit on Data Analytics in Healthcare
- **Hobbies** — Real Madrid (huge Ronaldo fan), Boogie Boarding, Guitar, Fast and Furious movies, Gym