

# Sumanth Gurram

San Francisco, CA | [sumanthgurram.com](https://sumanthgurram.com) | [linkedin.com/in/sumanth-gurram](https://linkedin.com/in/sumanth-gurram) | [github.com/sumanthgenz](https://github.com/sumanthgenz)

## Education

**University of California, Berkeley**, BS in Electrical Engineering Computer Science Aug 2019 – May 2023

- Technical GPA: 3.93/4.0
- Overall GPA: 3.82/4.0
- M.E.T. Dual Degree Program
- IEEE Eta Kappa Nu (top 25% of EECS)
- Dean's Honors List

## Experience

**Software Engineer**, Zip – San Francisco, CA June 2023 – Present

- Optimized and revamped main dashboards, reducing ES indexing job load by >12X
- Created new features for managing user transitions, Zip AI assistant, AI similar spend detection
- Identified gaps in key bug areas and created tooling, driving down eng cost by 7X

**Research Engineer Intern**, Meta AI – Menlo Park, CA July 2022 – Sept 2022

- Created eye-tracking and voice modules for real-time interactive image segmentation
- This was research for Segment Anything (SAM), 3rd most cited AI paper worldwide in 2023

**Software Engineer Intern**, Nuro – Mountain View, CA April 2022 – July 2022

- Built cost tracking framework, led data migration to GCP and created synthetic traffic testing jobs
- This helped scale NuFS, Nuro's distributed file system, to store over >100 PB self-driving data

**Machine Learning Intern**, Apple – Cupertino, CA May 2021 – Aug 2021

- Created and trained 3D object pose-estimation model with simulation data for robot vision
- Presented to Apple's VP of Hardware as a way to automate automated device testing/QA

**Machine Learning Researcher** – Berkeley, CA June 2020 – June 2023

- Advised by Prof. John Canny for multi-modal self-supervised video understanding using transformers
- Advised by Prof. Ion Stoica (co-founder Databricks, Anyscale) for multi-cloud ML training infrastructure

## Publications

**LAVA: Language Audio Vision Alignment for Contrastive Video Pre-Training** May 2022

S. Gurram, A. Fang, D. Chan, J. Canny  
2022 ICML Workshop

## Projects

### Arrow AI

- Developed a platform to evaluate prompts and unit test LLMs using natural language test suites
- Built for startup I co-founded in 2022 Soma Capital Fellowship; turned down further funding to resume college

## Technologies

**Languages:** Python, Java, C++, C, Go, Typescript, Javascript, HTML/CSS, Solidity, RISC-V, Intel x86

**Tools:** PyTorch, TensorFlow, OpenAI API, Elasticsearch, GCP, AWS, Kubernetes, PostgreSQL, GraphQL, React.js, DataDog, Kibana, Unity, LaTeX