Sumanth Gurram

sumanthgurram@berkeley.edu | 858.848.4726 | U.S. Citizen

EDUCATION

UC BERKELEY
BS in EECS
BS in Business
Aug 2019 - May 2023
GPA: 3.85 / 4.00
M.E.T. Dual Degree Program
EECS Honors Program
Blockchain at Berkeley
Soma Capital 2022 Fellow

LINKS

LinkedIn: **sumanth-gurram**
Github: **sumanthgenz**
Google Scholar: **sumanth gurram**

SKILLS

LANGUAGES

Python • Java • C • C++ •
Go • SQL • JavaScript •
HTML/CSS • C# • Solidity •
RISC-V • Intel x86

TOOLS

PyTorch • TensorFlow • Scikit-Learn •
Docker • Kubernetes • Bazel •
GCP • BigQuery • AWS • Azure •
PostgreSQL • React.js • Node.js •
Jira • Retool • Unity • LaTeX

COURSEWORK

CS

CS 61A: Programs
CS 61B: Data Structures
CS 61C: Computer Architecture
CS 162: Operating Systems
CS 170: Algorithms & Intractability
CS 186: Database Systems

EE

EECS 16A: Linear Algebra & Circuits
EECS 16B: Diff. Equations & Controls
EECS 106A: Robotics

MATH & ML

MATH 53: Multivariable Calculus
CS 70: Discrete Math & Probability
CS 188: Artificial Intelligence
EECS 126: Random Processes

AWARDS

IEEE Eta Kappa Nu (top 25% of EECS)
Dean's Honors List (top 10% sem. GPA)

INDUSTRY

META | Software Engineer Intern

July 2022 – Sept 2022 | Menlo Park, CA

- Working on image segmentation at FAIR under Reality Labs Research
- Creating gaze-tracking module for zero-shot, interactive segmentation

NURO | Software Engineer Intern

April 2022 – July 2022 | Mountain View, CA

- Worked on distributed file system (NuFS) that stores >100 PB self-driving data
- Built new cost tracking, data migration, synthetic traffic infrastructure for NuFS

TRUERA | Machine Learning Intern

Jan 2022 – April 2022 | Redwood City, CA

- Researched and validated core NLP bias metrics for a new fairness product
- Built system to compare performance disparity across custom data segments

APPLE | Machine Learning Intern

May 2021 – Aug 2021 | Cupertino, CA

- Delivered 3D object pose-estimation module for Watch test automation robots
- Built simulation data pipeline; trained vision models to 99% accuracy for <1 cm

SERVICENOW | Machine Learning Intern

May 2020 – Aug 2020 | Santa Clara, CA

- Developed production NLP models with 92% accuracy in intent classification
- Built data and model benchmarking infrastructure; presented to C-suite

RESEARCH

SKY COMPUTING | Undergraduate Researcher

Aug 2022 – Present | Berkeley, CA

- Advised by Prof. Ion Stoica and Zhanghao Wu for multi-cloud ML infra

BERKELEY AI RESEARCH | Undergraduate Researcher

May 2020 – July 2022 | Berkeley, CA

- Advised by Prof. John Canny and David Chan for multi-modal video learning

PUBLICATIONS

[1] S. Gurram, A. Fang, D. Chan, and J. Canny. Lava: Language audio vision alignment for data-efficient contrastive learning on video data. *Workshop on Benchmarking Data for Data-Centric AI at ICML*, *Workshop on Pre-training: Perspectives, Pitfalls, and Paths Forward at ICML*, 2022.

PROJECTS

ARROW 2022

- Building a CI platform to test ML models + track metrics on key data segments
- PyTorch / Tensorflow / AWS Amplify, Lambda, S3 / Docker / React / CSS

PINTOS 2021

- Built OS to handle processes, threads, scheduling, I/O and a file system
- C / x86 / Syscalls / Synchronization / Memory Management / I/O / File System