

Sumanth Gurram

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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 61A: Programs

CS 61B: Data Structures

CS 61C: Computer Architecture

CS 70: Discrete Math & Probability

CS 162: Operating Systems

CS 170: Algorithms & Intractability

CS 188: Artificial Intelligence

EECS 16A: Linear Algebra & Circuits

EECS 16B: Diff. Equations & Control

EECS 126: Random Processes

ECON 1: Microeconomics

UGBA 102A: Accounting

UGBA 103: Finance

MATH 53: Multivariable Calculus

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 | SOFTWARE ENGINEER 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

BERKELEY AI RESEARCH | UNDERGRADUATE RESEARCHER

May 2020 – Present | Berkeley, CA

- Advised by Prof. John Canny for video perception with vision, audio, language
- Self-supervised learning and distributed compute on large-scale video datasets

PUBLICATIONS

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