

# Sumanth Gurram

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## EDUCATION

### UC BERKELEY

BS IN EECS

BS IN BUSINESS

Aug 2019 - May 2023

GPA: 3.84 / 4.00

M.E.T. Dual Degree Program

Eta Kappa Nu (EECS Honors Society)

EECS Honors Program

Blockchain at Berkeley

Soma Capital 2022 Fellow

## LINKS

Github: [sumanthgenz](#)

LinkedIn: [sumanth-gurram](#)

## SKILLS

### LANGUAGES

Python • Java • C • C++ •

Go • SQL • JavaScript •

HTML/CSS • C# • RISC-V • Solidity

### TOOLS

PyTorch • TensorFlow • Scikit-Learn •

Docker • Kubernetes • Bazel •

GCP • BigQuery • AWS • Azure

PostgreSQL • React.js • Node.js •

Jira • Confluence • 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

M.E.T. Program (1.5% acceptance rate)

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

- Research engineering at Facebook AI Research (FAIR) Labs
- Will be working on machine learning for open-world image segmentation

### NURO | SOFTWARE ENGINEER INTERN

April 2022 - July 2022 | Mountain View, CA

- Automating synthetic traffic generation to validate file logs in Nuro's database
- Building infrastructure for tracking costs of storing >100 PB self-driving data

### TRUERA | MACHINE LEARNING INTERN

Jan 2022 - April 2022 | Redwood City, CA

- Researched and validated 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
- Developing self-supervised algorithms; distributed compute on large datasets

## PROJECTS

### LAVA 2021 - PRESENT

- Large-scale language, audio and video perception across 1M+ YouTube videos
- PyTorch / Unsupervised Learning / Transformers / GPUs / ffmpeg / LaTeX

### NUMC 2020

- NumPy but for C with up to 1600X faster matrix arithmetic than naive
- C / OpenMP / Intel SIMD / Python / NumPy / Parallel Computing

### JARVIS 2020

- Neural voice assistant to answers questions on FAQ pages in <5 seconds
- Python / Java / PyTorch / TensorFlow / Pandas / NLP / Speech Recognition

### CONFIAR 2019

- Decentralized app for resolving real estate disputes; team consultancy project
- Solidity / Javascript / React / Node / MongoDB / Blockchain at Berkeley