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: 3.84 / 4.00
M.E.T. Dual Degree Program
Eta Kappa Nu (EECS Honors Society)
EECS Honors Program
Blockchain at Berkeley
Human Capital Member

LINKS

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

SKILLS

LANGUAGES
Python • Java • C • C++ •
JavaScript • HTML/CSS • SQL •
C# • RISC-V Assembly • Soliditiy

TOOLS
PyTorch • TensorFlow • Scikit-Learn •
NumPy •Matplotlib • OpenCV •
ffmpeg • Selenium • Flask •
React.js • Node.js • MongoDB •
GCP • Docker • OpenMP •
Unity • Arduino • 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