

Shivaram Yellamilli

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EDUCATION

GEORGIA TECH

MS IN COMPUTER SCIENCE

Conc. in Machine Learning
January 2021 - Present
GPA: 4.00/4.00

UC BERKELEY

BA IN APPLIED MATHEMATICS

Conc. in Quantum Computing
2015 - 2019
GPA: 3.66/4.00

SKILLS

PROGRAMMING

Python, Java

COMPUTER

AWS, SQL, Git, Jupyter, Docker, \LaTeX

LIBRARIES

Sklearn, Numpy, Scipy, Pandas,
Matplotlib, Seaborn

COURSEWORK

DATA SCIENCE

Reinforcement Learning
Data Science with Applications
Machine Learning Fundamentals*
Data Structures & Algorithms
AI for Robotics (current)
MySQL Bootcamp*
Computational Techniques in Physics

MATHEMATICS

Numerical Analysis
Complex Analysis
Real Analysis
Abstract Algebra
Linear Algebra
Combinatorial Topology
Multivariable Calculus

SOCIAL JUSTICE

Economic Development
Civil Rights and Movements
Morality and Social Justice
K-8 Teaching in STEM Classrooms

PHYSICS

Quantum Information Science
Quantum Mechanics (I & II)
Optics, Relativity, and QM

EXPERIENCE

PALO ALTO INSIGHT | JUNIOR DATA SCIENTIST

April 2021 - Present | Remote

PALO ALTO INSIGHT | DATA SCIENCE INTERN

January 2021 - March 2021 | Remote

- Built data processing pipelines for multiple projects
- Conducted statistical analysis and developed ML models for clients

FEATHER HEALTH | DATA SCIENCE INTERN

July 2020 - August 2020 | Saratoga, CA

- Performed in-depth exploratory analysis of time series feature detection
- Determined benchmarking protocol and developed associated python package

AURANSA | DATA SCIENCE INTERN

January 2020 - June 2020 | Palo Alto, CA

- Developed statistical analysis pipeline which is now being used for quality assurance analysis and knowledge discovery
- Benchmarked, debugged, and improved performance of core engine

ASPIRE EDUCATION | ACADEMIC TUTOR

October 2017 - December 2019 | Oakland, CA

- Tutored high school and college students from disadvantaged backgrounds in computer science, math, and physics

FORESTRY POLICY ANALYSIS | LDA LEAD

January 2019 - August 2019 | UC Berkeley

- Built product to analyze forestry documents for World Resources Institute
- Led development of Topic Modeling aspect (using Latent Dirichlet Allocation)

PRESENTATIONS & PUBLICATIONS

SOCIAL IMPACT AT KDD CONFERENCE | POSTER PRESENTER

KDD 2019 | Forestry Policy Analysis

URANUS EVOLUTION MODELS WITH SIMPLE THERMAL

BOUNDARY LAYERS | COAUTHOR

September 2016 | Icarus Vol. 275, Pages 107 - 116

RESEARCH

MAGNETIC THIN FILMS | SMART FELLOW AND RESEARCH ASSISTANT

May 2017 - May 2019 | Lab of Prof. Hellman at UC Berkeley

- Independently investigated magnetic properties of ultra-thin amorphous films
- Developed code library for lab, streamlining data analysis process

PLANETARY MODELING | RESEARCH ASSISTANT

June 2014 - September 2014 | Lab of Prof. Fortney at UC Santa Cruz

- Developed a more accurate model of the interior of Uranus using C++

HOBBIES

SCUBA DIVING | PADI RESCUE DIVER

- Founded and presided over UC Berkeley SCUBA club

PHOTOGRAPHY | MACRO, LANDSCAPE, & PORTRAIT PHOTOGRAPHY

* signifies a MOOC