

Shivaram Yellamilli

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EDUCATION

GEORGIA TECH

MS IN COMPUTER SCIENCE

Conc. in Machine Learning

January 2021 - Present

GPA: 3.75/4.00

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, Pytorch

Tensorflow, Keras

COURSEWORK

DATA SCIENCE

Data Science with Applications

Machine Learning Fundamentals*

Reinforcement Learning

SQL Bootcamp*

Knowledge Based AI

Data Structures & Algorithms

ML for Trading

AI for Robotics

MATHEMATICS

Numerical Analysis

Real & Complex Analysis

Abstract Algebra

Linear Algebra

Combinatorial Topology

Multivariable Calculus

SOCIAL JUSTICE

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 | REMOTE

April 2021 - Present | Junior Data Scientist

January 2021 - March 2021 | Data Science Intern

- Developing customized ML solutions for clients in varied domains including time series analysis, object detection, and recommendation systems
- Conducting exploratory analysis and building solutions around findings
- Constructing data pipelines for multiple projects

FEATHER HEALTH | SARATOGA, CA

July 2020 - August 2020 | Data Science Intern

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

AURANSA | PALO ALTO, CA

January 2020 - June 2020 | Data Science Intern

- 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 | OAKLAND, CA

October 2017 - December 2019 | Academic Tutor

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

FORESTRY POLICY ANALYSIS | UC BERKELEY

January 2019 - August 2019 | LDA Lead

- 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 | NATURE & PORTRAIT PHOTOGRAPHY

* signifies a MOOC