Shivaram Yellamilli

shivaramyellamilli@gmail.com | (408) 401 - 6524
https://syellamilli.github.io/

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
Data Science with Applications
Machine Learning Fundamentals*
Reinforcement Learning
SQL Bootcamp*
Knowledge Based AI
Data Structures & Algorithms
ML for Trading (Current)
AI for Robotics

MATHEMATICS
Numerical Analysis
Complex Analysis
Real 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

* signifies a MOOC

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