Laya Gollapudi

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1084 Sunrise Drive - Fremont, CA - 94539

Skills

- Data Analysis [R, STATA, Python (Pandas)]
- Machine Learning [Python (NumPy, TensorFlow, PyTorch, OpenCV)]
- Core Programming [Python, C, C++, C#]
- Web Development: Frontend [React.js], Backend [Python, Go]
- Economic Modeling [MATLAB]

Projects

CATALOG SERVICE

Designed and developed public (internal) API + UI + Python Library for exposing the Catalog Service (data management "schema" used to track changes in Lyft's underlying map) as well as operational changes within the service itself

AUDIO EXTRACTOR - IN PROGRESS

Designing and Implementing a series of Classification ML models to hierarchically extract metadata and other information from unclassified audio files; as part of research done with Globus Labs at the University of Chicago

TSS [TESLA SCHEDULING SERVICE] API

Collaborated with the TSS contracting and Web teams to develop and automate the front + back end for the Tesla Scheduling Service API for user Test Drive and Ownership flows

Work Experience

SOFTWARE ENGINEERING INTERN – LYFT INC., SUMMER 2019

Worked with Lyft's Basemaps team which focuses on creating and improving Lyft's underlying map(s) for other teams within the company to use as a full-stack engineering intern. Focused primarily on their Catalog Service, working primarily with React-Typescript and Python.

SOFTWARE ENGINEERING INTERN – TESLA MOTORS, SUMMER 2018

Worked with the Digital Products and Engineering teams to build and automate navigation through Tesla's digital services [sites, applications, scheduling APIs, auto software] using Python, SQL, and C#

DATA TEAM PROGRAMMER AND TECH CONSULTANT – NEIGHBORHOOD SCHOOLS PROGRAM, WINTER 2018 - CURRENT

Collaborated with the CPA Data Team to explain the functionality of CRMs and Analytics services and comparing different options for Non-Profits, optimized services for registration / event sign-up management

Activities

CO-FOUNDER AND LEADER – HACK4IMPACT-UCHICAGO, WINTER 2018 - PRESENT

Founder of UChicago Hack4Impact (originally based at University of Pennsylvania), leader of piloting year for the program, Coordinator of project sourcing, recruitment, project development, and organization growth

CO-DIRECTOR AND HACKER EXPERIENCE LEAD – UNCOMMON HACKS, SPRING 2017 - SPRING 2019

Systematized structure of and Managed organizational budget for the annual UChicago-based Hackathon events, Made decisions for hackathon-related purchases based on predictions from calculated models and previous data w/ board

Education

University of Chicago, Chicago, IL – Economics and Computer Science, *Spring 2020*

Relevant Coursework (Taken) : Introduction to CS sequence, Computer Systems, TTIC Fundamentals of Deep Learning (Masters Level Course - *AUDIT*), Elements of Economic Analysis, Econometrics, Discrete Mathematics, Algorithms, Computer Vision, Machine Learning, Programming Languages, Formal Language Theory

Relevant Coursework (To take): Computer Architecture, Machine Learning and Large Scale Data Analysis