

Harshita Yerramreddy

Education

Wellesley College

B.A. in Computer Science with pre-med curriculum
Aug. 2014 – June 2018

Massachusetts Institute of Technology

Cross-Registered at Sloan School of Management
Nov. 2016 – May 2018

Experience

Freenome (Google Verily)

Software Engineer
Aug. 2018 – Present

- Owner of the QC project, which supports quality control for blood samples across the lab process to minimize cost and optimize ML outputs and analysis
- Building a LIMS (Laboratory Information Management System) product using React.js
- Interface heavily cross-functionally with Clinical Lab and R&D for user requirements gathering

Asha Prep

Founder, Admissions Consultant
Nov. 2016 – Present

- Guide students towards admission to top prep schools through weekly consulting sessions
- Building ML-powered prediction system to provide application statistics and likelihood of admission

MIT CSAIL Lab

Undergraduate Researcher
Sept. 2017 – Dec. 2017

- Performed data analysis on EMR data from hospitals to determine trends in telemedicine quality
- Created data visualizations using Plotly (Python) for clients, including Pfizer

Publications

Subcellular probes for neurochemical recording from multiple brain sites

Royal Society of Chemistry, Lab on a Chip
Feb. 2017

Skills

Languages

Python, Java, JavaScript (React.js), SQL, HTML/CSS, LaTeX, C, PHP, Racket/Scheme

Tools

Pandas, SciKitLearn, Flask, Git, MySQL, PostgreSQL, SQLAlchemy, D3, Plotly, Kubernetes, Docker

Amazon – Search Customer Experience Team

Software Development Engineering Intern
May 2017 – Aug. 2017

- Delivered and launched a new customer experience for movie series related search queries
- Used Java and RODB databases to build data backend service to support current and future front-end changes
- Developed a front-end MVC framework and designed front-end changes for the Search page

MIT Media Lab – Playful Systems Group

Undergraduate Researcher
Jan. 2017 – May 2017

- Developed predictive models for disease spread using Machine Learning algorithms and SciKitLearn
- Built an interactive dashboard to display data results from cumulative research

MIT Graybiel Lab

Undergraduate Researcher
Nov. 2014 – Jan. 2017

- Fabricated and developed novel micro-electrodes used to measure dopamine levels and deliver drugs
- Developed programs in MATLAB to read and analyze electrochemical data collected using PCA

Current Projects

Quora - Top Writer (500k+ Views) and Most-Viewed Writer in 2 Topics

Interviewer - Conduct alumni interviews for candidates applying to Phillips Exeter Academy and Wellesley College