

Subhiksha Mani

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Experience and Projects

Research Team Lead at Berkeley Institute for Data Science (BIDS)

January 2017 – Present

Currently leading the mapping team for Berkeley's Data Science Education Program. Mapping is responsible for curating data and establishing meaningful answers to questions posed by our datasets — often in the scope of data science courses, student pathways and experiences by using data science and machine learning tools.

Data 8 Group Tutor

August 2016 – Present

Data 8 is the introductory data science course at UC Berkeley. As a group tutor for this course, I grade students' homeworks and projects. Also, I engage with students during my weekly office hours and group tutoring sessions to help them better understand course material.

Research Apprentice at Berkeley Institute for Data Science (BIDS)

March 2016 – January 2017

As a member of the BIDS mapping team that is focused on interpreting and visualizing data for the Data Science Education Initiative at Berkeley, I've built a Python classifier to categorize all of UC Berkeley's course data into data science related courses.

Intern at Microsoft – Rotational Roles as Software Developer and Program Manager

May 2016 – August 2016

Interned in Windows and Devices Group and contributed to SnapGold, a Universal Windows Platform code sample open-sourced on GitHub. Worked primarily on the app's UI and data science to help determine SnapGold's daily active user.

Technologies Used and Skills Developed: C#, XAML, SQL, Azure App Insights, Stream Analytics

Education

University of California, Berkeley

Graduation Date: May 2019

Majors: Computer Science and Cognitive Science

Hercules High School

August 2011 – June 2015

Valedictorian; GPA: 4.75

Cornell University

June 2014 – July 2014

Attended Cornell University's Summer College Program as a district ambassador on a full-ride scholarship provided by the Ivy League Connection.

Relevant Coursework

- CS 61A: Structure and Interpretation of Computer Programs → Languages: Python, SQL, Scheme
- CS C8: Foundational Concepts in Data Science → Languages: Python
- CS C100: Principles and Techniques in Data Science → Python (IP)
- MATH 54: Linear Algebra and Differential Equations
- CS 70: Discrete Math and Probability Theory (IP)
- STAT 88: Probability and Mathematical Statistics in Data Science
- COMSC-165: Advanced Programming in C and C++ → Languages: C, C++
- COMSC-210: Data Structures → Languages: C, C++
- STAT 133: Concepts in Computing with Data → Languages: R
- COG SCI 1: Introduction to Cognitive Science (IP)
- COG SCI 127: Cognitive Neuroscience

- MCB C61: Brain, Mind, and Behavior
- MAT SCI 198: Socially Engaged Engineering

Honors and Awards

- UC Berkeley Leadership Award -- ranked in the “Top Tier of Applicants” (2015)
- Bio-Rad Scholarship Award (2015)
- AP Scholar with Honor (2014-2015)
- WCCUSD Retired Educators Scholarship (2015)