NEHA DABKE

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EDUCATION

2016–2020
University of California, Berkeley
Intended B.A. Computer Science
Intended B.A. Cognitive Science

2012–2016
Monte Vista High School
Graduate with Highest Honors
AP Distinguished Scholar

TEACHING

Spring 2017
Lab (Teaching) Assistant
CogSci 88: Data Science and the Mind

Developed course materials on Python Jupyter notebooks on cognitive data analysis. Introduced Python data analysis tools and techniques in solo presentation to the class

Spring 2018
Academic Intern
CS61B: Data Structures

Assisted students with various homeworks and projects over the semester. I was responsible for having a deep understanding of Java and data structures in addition to being able to communicate clearly and efficiently.

COURSES

CS C8: Introduction to Data Science (Python)
CogSci 88: Data Science and the Mind
CS61A: Structure and Interpretation of Computer Programs (Pyton)
CS61B: Data Structures (Java)
CS70: Discrete Mathematics and Probability Theory

EXPERIENCE

Spring 2018–present
Data Science Lead
UC Berkeley Invention Corps
I led my team in creating machine learning software to diagnose heart arrythmias in conjunction with the Bioengineering department. Specific tasks included researching heart arrythmias, writing algorithms to clean and store datasets, and writing a machine learning algorithm to predict arrythmias.

Summer 2017–Spring 2018
Research Assistant
UC Berkeley Computational CogSci Lab
Assist in the development of the mobile application, "Wordful". Specifically includes developing data collection and data analysis interfaces within app.

Fall 2016–present
Social Media Chair
Berkeley Fiction Review

Research, analyze, and create content for BFR's social media platforms. Increased facebook reach to 2000+ people.

Fall 2017
Designer
Invention Corps of Berkeley

Work with faculty in the Grad school of Education to design intuitive tools for math education. Rapidly prototype, design, and collaborate to create tools in a 3 month timeline.

Summer 2015
Intern
Avishkaar, LLC

Redesigned website, performed quality assurance on the company's patent management product.