

Seoyeon Park (Sierra)

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EDUCATION

University of California, Berkeley

B.A. in Applied Mathematics with a Concentration in Operations Research

Class of 2019

GPA: 3.69/4.0

Relevant coursework: Principles and Techniques of Data Science, Numerical Analysis, Structure and Interpretation of Computer Programs, Linear Programming and Network Flows, Concepts of Probability, Linear Algebra, Multivariable Calculus, General Chemistry

PROFESSIONAL/ LEADERSHIP EXPERIENCE

UC Berkeley Data Science Module Program | Berkeley, CA

June 2017 – present

Module Developer

- Devised a module curriculum in Gender and Woman Studies class in order to introduce the integration of data science, statistics, and computer programming in field of social sciences
- Created Jupyter notebooks using Python through data cleaning and data classification from a large data set from the University of California employment
- Presented the finished module to the entire class and introduced students to Python and the basics of data analysis

UC Berkeley Residential Education Program | Berkeley, CA

August 2017 – present

Math Tutor

- Created a supportive academic environment by assisting students in Mathematics coursework individually and in groups
- Provided drop-in tutorial services in UC Berkeley's residence halls during regularly scheduled shifts to assist the residents with their coursework and assignments with the goal of developing strong academic skills for success
- Planned and facilitated welcome week events, midterm review sessions, and final exam review sessions

UC Berkeley BIDS Connector Course | Berkeley, CA

August 2017 – present

Connector Assistant in Demography

- Examined and revised Jupyter notebooks in order to facilitate approaches to data science using Python in Demography class
- Assisted students in class working on computer labs created in Jupyter notebooks; regulated class webpage to guide students remotely outside of class

UC Berkeley Computer Science 61A | Berkeley, CA

August 2017 – present

Academic Intern in Structure and Interpretation of Computer Programs

- Guide students through navigating Python course by assisting in office hours

Ivy Plan College Prep | Seoul, Korea

June – July 2016

Teaching Assistant & Administrative Assistant

- Taught SAT and ACT Mathematics daily to high school students in a highly competitive studios environment
- Oversaw student activities by directing independent and self-disciplined study hours
- Took in charge of administrative work by supervising at the reception desk and administering phone calls

RESEARCH

UC Berkeley Data Science Education Program (DSEP) | Berkeley, CA

March 2017 – Present

Student Experience Team Researcher

- Conducted a series of interviews of students in BIDS by acting as the main liaison among the various teams in the Institute in order to extensively foster long-term relationships
- Planned and designed Student Experience Guide that was adopted by BIDS to represent Data Science Education Program in further detail
- Acted as the main liaison between the club, corporate sponsors, and clients to extensively foster long-term relationships

UC Berkeley School of Optometry

Mechanism of Human Vision Using Mathematical Models | Berkeley, CA

Sept – Dec 2016

Research Assistant

- Analyzed psychophysical and brain imaging techniques and utilized MATLAB plotting functions and Fourier series to develop a mathematical model with the goal of correctly predicting the gain-control theory of binocular vision
- Conceptualized study designs and quantified data from field experiments

SKILLS & INTERESTS

- Python, MATLAB, basic SQL (in progress of learning R); Microsoft Word, Excel, PowerPoint
- Native in Korean, basic Spanish; Strong work ethics and interpersonal and cooperative skills
- Interests: Traveling, Violin, Music transcription, Outdoor running