

Matthew Dong
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EDUCATION

- **University of California - Berkeley** Berkeley, CA
Bachelor of Arts in Statistics; GPA: 3.88 *Expected Graduation: May 2020*

PROGRAMMING SKILLS

- **Languages (Proficient):** Python, Java, R **Languages (Familiar):** Javascript, HTML/CSS
- **Frameworks & Interfaces:** Angular, Git, Bash, Ruby on Rails, L^AT_EX
- **Python Data Science Stack:** Pandas, NumPy/SciPy, SciKit-Learn, NLTK, Keras
- **Relevant Subjects:** Computer Programs, Data Structures, Statistics, Probability, Linear Algebra, Data Science, Machine Learning, Natural Language Processing

EXPERIENCE

- **Computational Approaches to Human Learning (CAHL) Lab** May 2017 - Present
 - **Front-end Developer:** Web developer for the AskOski project, a UC Berkeley course recommender system deployed to the student population of 40,000 students, with active collaboration in place to expand to several other colleges and universities (<https://askoski.berkeley.edu>). Improved content discovery and browsing experience by building and incorporating an “intelligent search” feature into the homepage.
 - **Research Assistant:** Studied the efficacy of lifting machine learning models from other domains to gain insight into classroom interactions and address pressing issues in the education field.
- **Stat89A: Linear Algebra for Data Science** Nov 2017 - Present
 - **Course Developer:** Maintained course infrastructure, prototyped and refined course materials including homework assignments and projects for the pilot 4-unit offering of the course.
 - **Teaching Assistant:** Held office hours, guided students in section, graded exams and assignments.
- **Data Science Consulting Committee - Statistics Association** Aug 2016 - May 2017
 - **Consultant:** Enlisted by clients to analyze data and produce recommendations geared towards achieving a certain objectives, created time sensitive reports to aid in decision making

PROJECTS

- **Personal Productivity Blog (2014 - Present):** Extensive and ongoing personal case study based on data collected on my life. Analyzed data for trends in efficiency, happiness, and more. Wrote articles communicating results revealed by subsequent statistical analyses and published on personal website.
- **Happiness Advantage Website (In Progress):** Designed external feedback survey for students enrolled in course, currently integrating information into an Angular application to help promote the class.

AWARDS

- **Undergraduate Research Fellow - Summer 2018:** Received competitive grant from the university totaling \$6,000 to conduct a novel research project under the guidance of a faculty mentor.

LEADERSHIP

- **Happiness Advantage** Aug 2017 - Present
 - **Facilitator:** Helped teach student run course based off of Shawn Achor’s novel *The Happiness Advantage*; Aspiring to change school culture by guiding others to achieve greater levels of personal contentment through scientifically grounded yet unconventional approaches to life & academics