Yiwen (Ewen) Dai

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EDUCATION

University of California, Berkeley Berkeley, CA	Data Science B.A. and Statistics B.A. [Cumulative GPA: 3.51/4.00] ● Regents' and Chancellor's Scholarship (Top 2% of Accepted UC Berkeley Students) ● Past Coursework: Multivariable Calculus, Linear Algebra, Numerical Analysis, Discrete Mathematics & Probability Theory, Computer Programs, Data Structures, Efficient Algorithms & Intractable Problems ● Current Coursework: Introduction to Artificial Intelligence, Concepts in Computing with Data, Probability for Data Science, Principles & Techniques of Data Science ● Expect to graduate in Dec, 2020	Fall 2017 - Present
Irvington High School Fremont, CA	Valedictorian, Class of 2017 [Weighted GPA: 4.46/4.00] ● National AP Scholar; AP Scholar with Distinction (2016, 2017) ● AIME Qualification/Participation (2016, 2017)	Fall 2013 - Spring 2017

SELECTED PROJECTS

Probable Factors of Happiness (Stat 20)	● 2-week group project analyzing and reporting on happiness dataset provided by the World Happiness Report ● Led group by defining sub-tasks to increase productivity ● Focused on Governmental Effects on Happiness, including completing analysis and data visualization on related factors (R, RStudio)	Fall 2018
BearMaps (CS 61B)	● Individual project implementing backend of a web server to provide an interactive map of Berkeley campus (Java) ● Coded functions such as finding the shortest path by using A* search on a graph translated from locations and possible paths	Spring 2018
Scheme Interpreter (CS 61A)	● Partner project building a Scheme Interpreter (Python) ● Contains some core functionality of Scheme and includes user-defined functions along with tail-recursion	Fall 2017

SELECTED ACTIVITIES

Website Co-Director Berkeley, CA	UC Berkeley Institute of Electrical and Electronic Engineers ● Led team of 5 web officers in improving the UC Berkeley IEEE website (React, Node.js) ● Implemented new communication system, boosting productivity from 1 completed project per semester to 5 completed projects per semester	Fall 2018 - Present
Web Development Committee Member Berkeley, CA	Regents' and Chancellor's Scholar Association (RCSA) ● Redesigned and updated Committees Page (HTML, CSS) ● Supported Committee Coordinator by creating CSS Basics powerpoint and mentoring 8 new committee members	Fall 2017 - Present
Web Development Committee Member Berkeley, CA	Statistics Undergraduate Student Association (SUSA) ● Implemented search function to filter office hours calendar (JavaScript) ● Produced comprehensive list of major requirements and classes to facilitate redesign of Statistics Course Map	Fall 2017 - Fall 2018

SKILLS

Programming Languages: Java, Python, Matlab, R, SQL, HTML, CSS, Javascript
Foreign Languages: Mandarin Chinese
Interests: Education, Tutoring, Violin, Music, Singing, Volleyball, Humanitarian/Non-Profit Work
Work Eligibility: Eligible to work in the U.S. with no restrictions