

# YIWEN (EWEN) DAI

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## EDUCATION.....

<b>University of California, Berkeley</b> Berkeley, CA	Data Science B.A. and Statistics B.A. [Cumulative GPA: 3.511/4.0] <ul style="list-style-type: none"><li>• Regents' and Chancellor's Scholarship (Top 2% of Accepted UC Berkeley Students)</li><li>• Past Coursework: Multivariable Calculus, Linear Algebra, Numerical Analysis, Discrete Mathematics &amp; Probability Theory, Computer Programs, Data Structures, Efficient Algorithms &amp; Intractable Problems</li><li>• Current Coursework: Introduction to Artificial Intelligence, Concepts in Computing with Data, Probability for Data Science, (Principles &amp; Techniques of Data Science)</li></ul>	Fall 2017 - Spring 2021
<b>Irvington High School</b> Fremont, CA	Valedictorian, Class of 2017 [Weighted GPA: 4.456/4.0] <ul style="list-style-type: none"><li>• National AP Scholar; AP Scholar with Distinction (2016 - 2017)</li><li>• Certification of Participation in American Invitational Mathematics Examination (AIME) (2016 - 2017)</li></ul>	Fall 2013 - Spring 2017

## SELECTED PROJECTS.....

<b>BearMaps</b> (CS 61B)	<ul style="list-style-type: none"><li>• Individual project implementing backend of a web server to provide an interactive map of Berkeley campus (Java)</li><li>• Coded functions such as finding the shortest path</li></ul>	Spring 2018
<b>BYoG</b> (CS 61B)	<ul style="list-style-type: none"><li>• Partner project building a 2D tile-based game (Java)</li><li>• Supports random world generation based on user-inputted seed</li><li>• Limits screen display to tiles within player's line-of-sight</li></ul>	Spring 2018
<b>Scheme Interpreter</b> (CS 61A)	<ul style="list-style-type: none"><li>• Contains some core functionality of Scheme and includes user-defined functions along with tail-recursion (Python)</li></ul>	Fall 2017

## SELECTED ACTIVITIES.....

<b>Website Co-Director</b> Berkeley, CA	UC Berkeley Institute of Electrical and Electronic Engineers <ul style="list-style-type: none"><li>• Led team of 5 web officers in improving the UC Berkeley IEEE website (React, Node.js)</li><li>• Implemented new communication system, boosting productivity from 3 projects assigned with 1 completed to 6 assigned with 5 completed (and 1 in progress) per semester</li></ul> Previously: Website Officer	Fall 2018 - Present  Spring 2018
<b>Web Development Committee Member</b> Berkeley, CA	Regents' and Chancellor's Scholar Association (RCSA) <ul style="list-style-type: none"><li>• Redesigned and updated Committees Page (HTML, CSS)</li><li>• Supported Committee Coordinator by creating CSS Basics powerpoint and teaching 8 new committee members</li></ul>	Fall 2017 - Present
<b>Web Development Committee Member</b> Berkeley, CA	Statistics Undergraduate Student Association (SUSA) <ul style="list-style-type: none"><li>• Implemented search function to filter club office hours calendar</li><li>• Produced comprehensive list of major requirements and classes to facilitate redesign of Statistics Course Map</li></ul>	Fall 2017 - Present

## 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