

YIWEN (EWEN) DAI

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EDUCATION.....

University of California, Berkeley Berkeley, CA	Data Science B.A. and Statistics B.A. [Cumulative GPA: 3.535/4.00] <ul style="list-style-type: none">• Regents' and Chancellor's Scholarship (Top 2% of Accepted UC Berkeley Students)• Selected Coursework: Multivariable Calculus, Linear Algebra, Numerical Analysis, Discrete Mathematics & Probability Theory, Probability, Computer Programs, Data Structures, Efficient Algorithms & Intractable Problems, Artificial Intelligence, Principles & Techniques of Data Science	Fall 2017 - Fall 2020
Irvington High School Fremont, CA	Valedictorian, Class of 2017 [Weighted GPA: 4.46/4.00] <ul style="list-style-type: none">• National AP Scholar; AP Scholar with Distinction (2016, 2017)• AIME Qualification/Participation (2016, 2017)	Fall 2013 - Spring 2017

SELECTED PROJECTS.....

Taxi Ride Durations (DS 100)	<ul style="list-style-type: none">• Created a regression model that predicts the travel time of a taxi ride in New York using yellow taxi trip records in January 2016 as published by the NYC Taxi and Limousine Commission (Python)• Utilized feature engineering, cross validation, and regularization to determine the best model from linear and decision tree regressions	Spring 2019
Spam/Ham Filter (DS 100)	<ul style="list-style-type: none">• Created a classifier that can distinguish spam emails from ham (non-spam) emails, utilizing concepts including feature engineering, logistic regression, and cross validation (Python)	Spring 2019
Pacman AI (CS 188)	<ul style="list-style-type: none">• Implement search and multiagent algorithms along with reinforcement learning, probabilistic inference, and basic machine learning techniques to help Pacman win the game (Python)	Spring 2019
BearMaps (CS 61B)	<ul style="list-style-type: none">• 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

SELECTED ACTIVITIES.....

Teaching Assistant (Data Science Skills Decal) Berkeley, CA	Data Science Society (DSS) <ul style="list-style-type: none">• Facilitate in teaching Data Science skills including Python Libraries (Pandas, NumPy, Matplotlib, Seaborn), Data Visualization, Git/Github, Markdown/Latex, Logistic/Linear Regression, Classification, etc.• Host weekly office hours for student skills development• Create sample solutions & Grade student submissions	Spring 2019 - Present
Website Co-Director Berkeley, CA	UC Berkeley Institute of Electrical and Electronic Engineers <ul style="list-style-type: none">• Led team of 5-6 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• Hosted cross-committee Personal Branding workshop with emphasis on building a personal website	Fall 2018 - Present

SKILLS.....

Programming Languages: Java, Python (incl. Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn), Matlab, R (incl. ggplot2, dplyr), SQLite, HTML, CSS, Javascript
Foreign Languages: Mandarin Chinese
Work Eligibility: Eligible to work in the U.S. with no restrictions