Yiwen (Ewen) Dai

ewendai@berkeley.edu | linkedin.com/in/ewendai | ewendai.github.io | Berkeley, CA | (510) 598-7025

EDUCATION

University of California, Berkeley Berkeley, CA	Data Science B.A. and Statistics B.A. [Cumulative GPA: 3.535/4.00] ● Regents' and Chancellor's Scholarship (Top 2% of Accepted UC Berkeley Students) ● Selected Coursework: Numerical Analysis, Discrete Mathematics, Probability, Concepts of Statistics, Data Structures, Efficient Algorithms & Intractable Problems, Artificial Intelligence, Principles & Techniques of Data Science, Optimization Models in Engineering	Fall 2017 - Fall 2020

SELECTED PROJECTS

Taxi Ride Durations (DS 100)	● 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)	● 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)	● 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

SELECTED ACTIVITIES

Undergraduate Researcher Berkeley, CA	Goodly Labs, Public Editor Project ● Create data cleaning and analysis pipeline to analyze variance associated with each credibility indicator, from which article scores are calculated	Spring 2019 - Present
Website Co-Director Berkeley, CA	UC Berkeley Institute of Electrical and Electronic Engineers ● Lead team of 5-6 web officers in improving the UC Berkeley IEEE website (React, Node.js) ● Implement new communication system, boosting productivity from 1 completed project per semester to 5 completed projects per semester ● Host cross-committee Personal Branding workshop with emphasis on building a personal website	Fall 2018 - Present
Software Engineering Intern San Francisco, CA	Influxdata, Query Team ● Add strings and regex functionality to Flux query language (GoLang) ● Implement transformation functions from InfluxQL into Flux (GoLang) ● Create new stream type and allow for writing data from one stream to another in pure Flux (GoLang)	Summer 2019
Teaching Assistant (Data Science Skills Decal) Berkeley, CA	Data Science Society (DSS) ● 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

SKILLS

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