Arman Kazmi

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Education

University of California, Berkeley   May 2024

B.A. Computer Science | B.A. Data Science   GPA: 3.91

- Relevant Coursework: Data Structures & Algorithms, Machine Structures, Computer Programs, Principles of Data Science, Discrete Math & Probability, Linear Algebra, Circuits, Linguistics

Experience

Plan4Co   Remote

Software Engineer Intern (Data Science)   Jun. 2021 – Aug. 2021

- Collaborated with a team to create a client data dashboard for analyzing business performance
- Wrote Python scripts to clean data-sets of 30k+ customer phone calls in a SQL database
- Utilized Jupyter and Snowflake AWS to model 10k+ rows of data and predict client traffic

UltiMath   Remote

Founder & Software Developer   Apr. 2020 – Jul. 2021

- Led the development of a polynomial solver to assist students in checking their solutions, 40k+ uses
- Integrated algorithmic Python code with Flask and HTML to deploy a web app based UI
- Increased monthly uses 60+% by maintaining software, debugging, and implementing new features

Projects

Gitlet   May 2022

- Built a version control system that tracks file changes, handles branches, and has remote capability
- Implemented concepts like BFS, union-find, and persistence to organize, search for, and track data

Spam Email Classifier   Apr. 2022

- Designed a classification algorithm that predicts whether an email is spam with over 97% accuracy
- Utilized methods of random forests, feature engineering, cross-validation, and machine learning

Ataxx Game   Mar. 2022

- Developed an interactive, GUI-based 2 player game with functionality to play against the computer
- Used minimax game trees, alpha-beta pruning, and DFS to create an efficient AI decision algorithm

Discord Joke Bot   May 2021

- Utilized an API to create a chatbot in Python to send a joke to a user when prompted
- Deployed to a UC Berkeley Discord server totaling 3000+ users

Skills

- **Languages & Frameworks**: Python, Java, NumPy, Pandas, SQL, Scikit-learn, Flask, HTML
- **Technologies & Tools**: Git, VS Code, Jupyter Notebook, Regex, UNIX Shell, Microsoft Excel