JESSICA DAI

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Seeking a software engineer internship opportunity for Summer 2019

Education

University of Washington, Seattle, WA *September 2016 – June 2020*

Bachelor of Science in Computer Science

GPA: 3.80   Dean's List: 2016 – 2018 Academic Year

Relevant coursework: Computer Programing in Java, Applied Linear Algebra and Numerical Analysis, Statistical Methods in Engineering and Science, The Hardware/Software Interface, Machine Learning, Data Structures and Algorithms.

Projects

Search Engine, Java   *University of Washington, Spring 2018*

- Implemented a search engine based on the TF-IDF score and the PageRank algorithm using chained hash dictionary, array heap, and adjacency list.

Generating and Solving Mazes, Java   *University of Washington, Spring 2018*

- Implemented a maze generator using array disjoint set and Kruskal's algorithm and a maze solver based on Dijkstra's algorithm using chained hash dictionary and array heap, and adjacency list.

Spam Emails Classifier, Matlab   *Machine Learning, Coursera, Winter 2018*

- Developed a spam filter using support vector machines with a Gaussian kernel and achieved a test accuracy of about 98.5%.

Nobel Prize Winners Data Analysis   *University of Washington, Winter 2018*

- Built a website to display data analysis on Nobel Prize by utilizing the Nobel Prize API, .csv file, and data archives, and used Plotly to display the data interactively.

Experience

UW Rick's Café, Seattle, WA   *October 2017 – May 2018*

Operations Coordinator

- Acted as the liaison between the 6 coordinators and the primary advisor to ensure all administrative tasks were carried out smoothly and recommend improvements.

DaZhen Barcode Tech. Co., Ltd., Shenzhen, China   *July 2016 – September 2016*

Summer Intern, Web developer

- Helped with designs and layouts using HTML and CSS.

Skills

Java	HTML	Rstudio	SQL
Python	CSS	MatLab	