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Web & Git

jaewoo.info
github.com/jaywoo123

Programming

Python ★★★★☆
C/C++ ★★★★★
Java ★★★☆☆
Javascript ★★★★☆

Tools

D3 ★★★★☆
Angular JS ★★★★☆
scikit ★★★★☆
React ★★★★☆
Firebase ★★★★☆
NLTK ★★★★☆

Coursework

Data Structure
Algorithms
Machine Learning
Database Systems
Artificial Intelligence
System Pgrm.
Numerical Methods
Text Info Systems
Data Visualization

JaewooKim

M.S. with Thesis in Computer Science

Education

2018 - 2020   **Master of Science: Computer Science**   Univ. of Illinois at Urbana-Champaign
GPA: 4.00/4.00
Advisor: Prof. Aditya Parameswaran

2012 - 2018   **Bachelor of Science: Computer Science**   Univ. of Illinois at Urbana-Champaign
GPA: 3.84/4.00
Undergraduate Thesis: "Exploring Meaningful Scatterplots using Zenvisage"

Experience

01/17 - Now   **Research Assistant: Project Zenvisage**
- Zenvisage is a data visualization tool that automatically identifies and recommends visualizations that match desired user patterns.
- Utilized Angular.js and D3.js to dynamically visualize data.
- Developed dynamic faceting features which bucket data into categories set on the fly.
- Currently researching and developing new data analysis method for scatterplots.

08/18 - Now   **Teaching Assistant: Data Structures(CS 225)**
- Graduate Teaching Assistant for largest undergraduate course in the university.
- Leading 40 students through programming exercise to solidify their knowledge of data structures.
- Contributed to course development by improving course material.

05/17 - 09/17   **Research Assistant: Project Entity Search**
- Implemented Entity Search, which provides a framework for building an entity-enabled index on top of Apache Lucene for searching specific objects rather than documents.

Projects

Web Crawler
- Implemented a web crawler in python to extract movie and actor information from Wikipedia pages.

Recipe Finder
- Implemented an ios app using React Native which supports search of ingredients and recipes using Edamam Database Api. App keeps track of nutritional information for each user with firebase.

Noisy Image Recovery
- A machine learning project for recovering noisy MNIST images using Boltzmann machine model and mean field inference.

Teammatcher WebApp
- Implemented a recommender system to recommend students with academic projects based on mined data of their interests and past work.