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Web & Git
jaewoo.info
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Programming
Python ★★★★★
C/C++ ★★★★★
Java ★★★★★
Javascript ★★★★★

Frameworks
D3 ★★★★★
Angular JS ★★★★★
scikit ★★★★★
React ★★★★★
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**
Graduate Teaching Assistant for undergraduate course with most students. Leading 40 students through programming exercise to solidify knowledge of data structures. Create, update and improve 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 information from Wikipedia pages

Recipe Finder

Implemented a ios app using React Native which allows search of ingredients for recipes and keeps track of health information for each user.

Noisy Image Recovery

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