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**Web & Git**
jaewoo.info
github.com/jaywoo123


**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.

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