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## Programming

Python ★★★★★  
C/C++ ★★★★★  
Java ★★★★★  
Javascript ★★★★★  
R ★★★★★

## Tech Skills

D3 ★★★★★  
Angular JS ★★★★★  
React ★★★★★  
scikit ★★★★★  
Tableau ★★★★★  
HTML/CSS ★★★★★  
Flask ★★★★★  
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

- 08/18 - Now **Graduate Teaching Assistant: Data Structures(CS 225)**  
- Graduate Teaching Assistant for largest undergraduate course in the university.  
- Leading 80 students through programming exercise to solidify their knowledge of data structures.  
- Contributed to course development by improving course material.
- 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 scatter-plots.
- 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.

