Kevin Zheng

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Portfolio Website: https://42kevinzheng.github.io/

Education

University of South Carolina - Columbia, SC   Graduated: May 2020
Bachelor of Science: Computer Science   GPA**:** 3.7/4.0

Work Experience

UofSC Research Computing Group - Columbia, SC
Undergrad Research Assistant   Feb 2020 - August 2020
- Build libraries, write shell scripts to build frameworks for websites. (Play Framework, Angular)
- Optimizing training Deep Learning (DL) models. (LAMMPS, MLPref)

Selected Projects

Visualization of Climate Change in S.C.
- Understand the effect of climate change based on the max and min temperatures, total precipitation, snowfall, and depth of snow on the ground over a yearly time period.
- Dynamic graphs that create multiple lines with data from a JSON file with 128 objects.
- Implemented with JavaScript, CSS, HTML, and D3.js

Social Media Android App
- Post comments and pictures, delete comments and pictures, and have login requirements.
- Ability to login into any machine and open your personal data from a personal account.
- Implemented with Java, Firebase Database, Firebase Authentication, Firebase Cloud Storage.

Text Summarization Project
- Summarized essays with a beginning, middle, and ending paragraphs to determine which parts of the essay are critical and interesting.
- Give each sentence a value and rank each sentence by their value to determine the critical parts.
- Implemented with Python and NLTK

Selected Coursework (Upper Division Undergraduate Course Elective*)

Computer Science: Algorithmic Design I &II | Data Structure & Algorithms | Operating Systems | Intro to Computer Networks | Advance Programming Technique | |Foundations of Computation | Programming Language Structures | Text Processing *| Data Visualization * | Database System Design * | A.I. *
Math: Calculus I & II | Vector Calculus | Discrete Math | Statistics for Engineers | Applied Linear Algebra

Skills / Interests

Computer Languages: Java | C++ | Python | JavaScript | PHP | Haskell | SQL
Tools/Libraries: OpenCV | D3.js | NLTK | MySQL | Android Studio | React.js | Git
Spoken/Written Languages: English (Native) | Mandarin Chinese (Intermediate)