

# Kevin Zheng

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

## Education

University of South Carolina - Columbia, SC

*Bachelor of Science: Computer Science*

Expected: May 2020

GPA: 3.7/4.0

## 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

## Selected Projects

### D3 Proposal Manual

- A proposal manual on using D3.js to create a data driven website to format a large raw data file into a bar graph.
- Implemented with HTML, JavaScript, D3.js, and CSS.

### 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 personal account.
- Implemented with Java and Google Cloud Functions: Firebase Database, Firebase Authentication, Firebase Cloud Storage.

### Text Summarization Project

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

## 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)