

ERKAN SEN

Email:erkansen14@hotmail.com

Phone:832-407-1318

Github:ErkanSen14

Education-December 2016

- University of Houston-Computer Science Major, Mathematics and Religious Studies minors
 - CodeRED Hackathon-Organizer
 - CougarCS-member
 - IEEE Computer Science Chapter Houston-member

Skills

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|-------------------------|-----------------------|------------------------------|
| • JavaScript-Proficient | • Git-Proficient | • MongoDB-Beginner |
| • HTML5-Proficient | • React-Intermediate | • Swift/Objective-C-Beginner |
| • Meteor-Proficient | • Python-Intermediate | |
| • Java-Proficient | • CSS3-Beginner | |
| • C++-Proficient | • C#-Beginner | |

Software

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|-------------------------|------------------------|-------------------------------|
| • Visual C++-Proficient | • Netbeans-Proficient | • Android Studio-Intermediate |
| • XCode-Proficient | • PyCharm-Intermediate | |

Experience

- **Private Tutor(August 2015-January 2016)**
 - Tutored university and high school students in Java and C++, helping with projects and debugging, as well as teaching good coding practices. Also helped students understand how to code in C++ and Java
 - Tutored mathematics, ranging from Algebra 2 to Calculus 2, as well as University Chemistry
- **Menu Search**
 - A web application written with Meteor, and React, which finds 50 restaurants in users' vicinity. The user then inputs filters (such as chicken, beef, etc), which the program then uses to find menu items, and calculates a percentage for how many menu items contain the filter.
- **Sound of Code**
 - A web application that takes a user's code (Java and C++), and plays different piano notes, within a same chromatic scale, based on the content of their code. Made using Meteor and JavaScript, and was created to learn how to use the Soundmanager 2 API, in preparation for the Musical Studios project.
- **Musical Studios**
 - A website made with Meteor and React that visualizes sorting algorithms, as it sorts through six elements. It also plays piano notes that correspond to which elements are being sorted, Currently implementing Bubble Sort, but will implement five others as well.
- **Associated Acts**
 - A website made with Meteor and React, which utilizes the WikiMedia API to create a visualization of different musical acts and their connections to each other.
- **Towers of Hanoi**
 - Wrote a program in Java to solve the Towers of Hanoi with 5 pegs, where the Start and Dest pegs could only be moved on once.