RUNBO(CHUCK) ZHAO

Full Stack Web Developer

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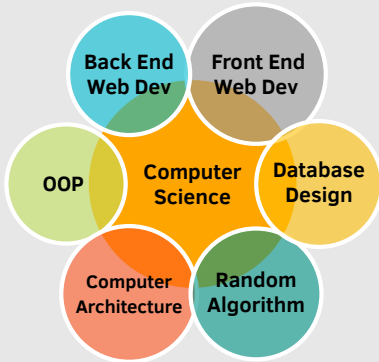
in /in/runbo94

Runbo94

Skills

Overview

Programming

$0\ LOC \longrightarrow 5000\ LOC$

JS(ES6) • HTML • CSS • NoSql • Java

SQL • LaTeX • C++ • C#

C • Python

About Me

I'm a graduate student studying in Syracuse University and also a passionate programmer, specializing in full-stack development using **NODEJS** on the back-end.

Strong in object-oriented design and experienced with a wide range of front-end and back-end framework such as **Angular**, **React**, **Express** etc. Also, being an artist in nature, I have a good sense of design, colors, usability and can build beautiful and modern interfaces that people love.

Education

AUGUST 2016 - PRESENT
MSc., Computer And Information Science (GPA: 4.0/4.0)   Syracuse University, USA

SEPTEMBER 2012 - JUNE 2016
BEng., Mathematics And Applied Mathematics   Xidian University, China

Project

05/2018 - now
www.renmovie.com
- An Online movie rating and renting service.
- Pagination, filtering, and sorting of the movies list.
- Consumers can use the auto-generated menus to make order online. Bootstrap can make website change its layout and interfaces on different devices like mobiles.
- **Tools**: HTML5, CSS3, Bootstrap, JavaScript, React, NodeJs, ExpressJs, MongoDB

10/2017 - 04/2018
www.jajang.cloud
Team Leader

- A cloud-based restaurant management service, designed for the small and medium restaurants. JaJang aims to change the traditional inefficien restaurant management pattern.
- Hightlight: The real-time database and characteristic of Angular let managers or waiters can monitor the status, in the meanwhile the customers can also monitor the process of the cooking.
- Basic E-commence functions, such as: Resigster, login, CRUD of items, shopping cart, etc. (see Runbo94/JaJang-report)
- Beautiful style of pages including some animation and some fashion web component like card, carousel, modal and dropdown button. Also BootStrap 4 and ng-bootstrap is also well designed for responsive pages, which is suitable for using JaJang on both PC and mobile platform.
- **Tools**: HTML5, CSS3, Bootstrap, TypeScript, Angular5, Firebase

10/2016 - 02/2017
Health Center Database Design
- Store the data for Patient, Visitor, Billing, Insurance, Employees, Patient Room, Patient Health Histories. Design a Descriptive ERD.
- Implement the DB by MicroSoft SQL Server. Create the tables, columns, primary keys, datatypes, nullabilities, and relationships. Implement views and stored procedures.
- **Tools**: Microsoft SQL Server, Microsoft Visio

03/2014 - 06/2015
Cauchy Problem for Elliptic Equation with Variable-coefficients Using Regularization Method funded by the National College Student Innovative Entrepreneurial Training Program
Team Leader, supervisor: Dr.Xiaoli Feng

- Introduced a new regularization – quasi-boundary-value method (QBV) to solve the Cauchy problem for an elliptic PDE.
- Used the Finite Difference Method to get a linear equation with large sparse matrix; introduced the preconditioned generalize minimum residual (GMRES) to solve the linear equations.
- Used MATLAB to operate for Cauchy problem for Elliptic Equation with two-dimensional and three dimensional variable-coefficients, respectively; displayed the result of numerical implementation to approve the feasibility of the method.

02/2015	**Managing Human Capital in Dynamic Network**	2015 Mathematical

Contest in Modeling(MCM)
Team Leader, supervisor: Dr.Feng Ye

- Built three models, namely classic feedback system model, Markov feedback system model, and simulation model to simulate the dynamic human managing process within the ICM company.
- Built a multilayer network based on AHP and got the influence of evaluation object from every node.

06/2014
- 09/2014

Geographic Profiling and Space-Time Predicting of Serial Crimes
Team Leader, supervisor: Dr.Shuisheng Zhou

- Used modified Rossmo model to predict geographic profiling.
- Built time series model and used secondary exponential smoothing method to solve the model and forecast the time of next crime, which was verified in reality.