

RUNBO(CHUCK) ZHAO

Full Stack Web Developer



(315) 883 9767



rzhao03.mysite.syr.edu



rzhao03@syr.edu



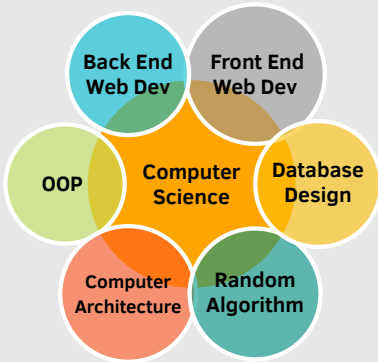
/in/runbo94



Runbo94

Skills

Overview



Programming

0 LOC —————> 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, full-stack developed using React + Express + MongoDB model. deployed by Heroku.
- Functional and well OOP Designed list component, including pagination, filtering, and sorting.
- Restful API backend and fully unit test and integration test.
- **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 inefficient restaurant management pattern.
- Highlight: 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-commerce functions, such as: Register, 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 generalized 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

Geographic Profiling and Space-Time Predicting of Serial Crimes

- 09/2014

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.