

Yachen(Josh) Wu



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EDUCATION

Bachelor of Software Engineering 2017-2021

GPA: 3.3/4.0

Relevant Coursework: Object-Oriented

Programming, Database Management, Web Design

& Development, Data Structures, Parallel

Computing, Software Testing and Requirements

SKILLS

- Participating in **Requirements gathering and User Experience** development
- Programming skills- **Python, Java, SQL, JavaScript, HTML, CSS, C#/C++, Spring,**
- JavaScript Libraries: **JQuery, AngularJS, Bootstrap, ReactJS**
- **Oracle/MySQL** Server application development, deep understanding **database design principals and SQL scripting languages**
- Maintaining, troubleshooting, and improving websites

PROJECTS

Optimal Route Application

- Using the given datasets, implemented a **shortest path application** in **Java Eclipse** that could output the optimal solution during a trip in range of a county in America with the expense constraint.
- Collaborated with product team members to implement **new feature developments** under Git Version control

Snake Game

- Built up the Snake Game in **Java Eclipse** with user interface has options of AI Mode, manual mode which allows manually control the snake, Difficulty level adjusts the snake's speed, board size and Quit button.
- Constructed formal **software specifications** and test cases regarding the functional and non-functional .
- Debugged the entire game as a whole to ensure the quality of the program.

Soccer Tournament SQL Design

- Based on the given database design specification and database contains thousands lines of all the info during a soccer world tournament, constructed relational Model, E-R model and Relational Algebra and implemented it on db2.
- Retrieved the desired data from database by requests

Google Map Demo Application

- Utilized **JavaScript/HTML5/CSS3/JSON**, imported **Google Map API** to create a useful google map demo that functions in range of Los Angeles
- Translated visual design/concept into web application
- Accessed UI design and deployed using firebase

Dangerous Locations Warning Application

- Worked on a web application that contains a **car-accident prone zone analysis system** that is capable to identify the dangerous locations and evaluate the dangerous level of the location in **Java Eclipse IDE**
- Followed **Agile development methodology** to plan scrums, priority schedule and constant iteration of release aided by the use of **Git** version control

Live Chat Web App

- Implemented the Live Chat Web application by utilizing **ReactJS and Firebase**, created a real time chat room that allowing the users entering the link by deploying the application by using firebase Init and Deploy
- Invoking material ui and Flipmove libraries to create great User Interface and improve performance of the app

EXPERIENCE

Frontend Developer-Java Spring Boot&React

July - Present, Part-time, Bidmii Inc.

- Built web pages that are more user-interactive using Autocomplete, JSON, and Javascript.
- Developing the category search engine of the company website by utilizing the use of **ReactJS and Rest API**.

Designathon Participant

McMaster University, Hamilton, ON

- Brainstormed and designed a well-designed **web-application** that fulfills the desire of the client building a online shopping website using Adobe XD with well-designed **graphical user interfaces** and arrays within 24 hours, pitched the application as a team of 3

Free Code Camp, 09/2019 - Current

- **JavaScript Algorithms and Data Structures, Responsive Web Design Certification - Online 600 hours of coding**
- Still an active member of the FCC community & will eventually reach and finish the Back End Development Certification, Data Visualization Certification & Full Stack Development Certification