Weijing(Vicky) Zeng

2017169806 | wzeng7@stevens.edu

Seeking for a full-time Front-end web developer position

EDUCATION

Stevens Institute of Technology Hoboken, NJ
Master of Science in Computer Science Aug. 2016 -May. 2018

- GPA: 3.77 / 4.0

Nanchang Hangkong University Nanchang, China
Bachelor of Science in Software Engineering Sep. 2011 -July. 2015

- Major GPA: 3.35/4.0
- <Scholarship>: Third-class scholarship of college from 2012-2015 (three times in a row)

TECHNICAL & LANGUAGE SKILLS

Programming Languages: Java, JavaScript, SQL, HTML, CSS
Databases: MySQL, PostgreSQL, MongoDB
Operation Systems: Windows, MacOS, Android, IOS
Tools: Git, Visual Studio, Postman, Eclipse

PROJECTS

SpendSmart Mar. 2017 – May. 2017

Developed an online money management tool to keep track of all the personal transactions.

- Designed the website functions and the structure of MongoDB, wrote project and database proposal. Built the web application based on Node.js, Handlebar, Express. Tested Web API to check request and response using Postman.
- Responsible for developing user expenses page. Reduced a lot of redundant code and saved programming time by using Linq.js to process back-end data. The processed data was presented on the page through Google Chart, which makes the user see their expenditure more intuitive.
- Actively participated in system demo, presentation, knowledge sharing, and process improvement initiatives.

JoBe Oct. 2017 – Dec. 2017

Developed a social networking site for musicians to find each other to work with.

- Organized Daily Status meeting. Analyzed user requirements and according to requirements to design web functions.
- Built user Interface by using React, including Login, Match, Profile components. Used MongoDB to store user information, Redis to cache data, and Bootstrap to styled the web pages.
- In charge of developing Match component and matching functions. Achieved to show the list of matched users on the Match component by evaluating whether or not there is a mutual interested relationship between two users through matching functions.

Query Processing Engine for Ad-Hoc OLAP queries Sep. 2016 – Nov.2016

Developed a query processing engine to allow succinct expression of ad-hoc OLAP queries, and provide an efficient and scalable algorithm to process the queries.

- Involved in design and develop the query processing engine. Preprocessed the list of arguments of the new relational operator ϕ, generated a java program which contains a compact data structure known as 'mf-structure' according to the list of arguments. Implement an evaluation algorithm in the generated program to goes against the sales table stored in PostgreSQL database and to generate the output corresponding to the query represented by the input.
- Completed all project requirements. Ensured the generated program can compute the aggregate functions such as MAX, AVG internally without relying on the PostgreSQL DBMS engine. Helped users to get data from a database without writing a single query.