

JIECHENG CHEN

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Github: <https://github.com/jasonoochen>

Computer Science graduate student, learned Java, JavaScript, C++, C#, web developing
Looking for a Software Engineer position

EDUCATION

Syracuse University, NY

Master of Science, Computer Science, May 2018, GPA: 3.3/4.0

Courses: Object Oriented Design, Software Modeling & Analysis, Design and Analysis of Algorithms, Principles of Operating System, Internet Programming, Database Management

Ball State University, IN

Bachelor of Science, Computer Science, May 2016, GPA: 3.6/4.0

Awards: Deans List (Top 5%), Excellent Graduate

SKILLS

Programming languages: (Proficient) Java, (Proficient) JavaEE, (intermediate) C++, C#, swift

Web programming: HTML, CSS, JavaScript, JSP, Servlet, Web Services, JDBC, Hibernate

Database system: MySQL, SQLServer

Related skills: Network, OS, Linux, Git

EXPERIENCE

Software Engineer

PayPal Inc. (through BridgeNexus Technologies Inc.), San Jose, CA, Nov. - Dec., 2018

- Created and maintained automation scripts. Designed and created automation and testing tools.
- Developed automation tools to replace original tools, identified new automation strategies.
- Designed and improved test strategies, wrote test cases, scripts and suites.
- Identified software defects, run test suites, and verified fixes.
- Performed backend testing using strategies mixed with white box and black box testing. Perform User Acceptance Testing with various vendors.
- Provided support to other teams.

Research Intern

Syracuse University, Summer 2018

- Accomplished a Flea-Market web app, a single page application (SPA), which separates front-end and back-end, avoids highly frequency page reload. Achieved mainly by React, ES6, Webpack, Node, express, mongodb, socketIO, AJAX. Followed modularization and componentization principles.

PROJECTS

JavaEE Project: Online Order System

Syracuse University, Spring 2018

- Generated a system which can make menu for restaurants and make online order for customers.
- Achieved mainly by HTML5, CSS3, Bootstrap, JavaScript, JavaEE, Servlet, MySQL, Hibernate.
- Extended functionality such as easily modify menu on web page, help to reduce workload on client and improved visual effects by using JavaScript.
- Realized front back end independent development and optimized the system by carrying through tests.

C++ (Object Oriented Design) Project: NoSQL Database

Syracuse University, Spring 2017

- Achieved a NoSQL Database supporting multi-type with key/value pairs.
- Support automatically persist database to XML file and restore the database from XML file.
- Support queries to achieve add, delete, modify and search data by detect keywords in queries.
- Implemented type analyzer to detect data type elements of a C++ code and dependency analyzer to indicate dependence relationship and string component for each C++ file.

Core Java Project: Test Harness Collaboration Federation

Syracuse University, Fall 2016

- Built a test automation framework to support continuous integration test among client, repository and server.
- Expanded the server to support multithreading.
- Developed an Operational Concept Document with all the design detail.