Liang Zhang

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EDUCATION

- **Northeastern University** — Seattle, WA
  Master of Science in Computer Science; GPA: 3.55 — *Sep. 2016 – Dec. 2018(expected)*
  Courses: Algorithms, Object-Oriented Design and Analysis, Computer Systems, Fundamentals of Computer Networking, Database, Intensive Foundations of Computer Science, Discrete and Data Structures.
- **Nanjing University of Aeronautics and Astronautics** — Nanjing, China
  Bachelor of Engineering in Automation; GPA: 3.60 — *Sep. 2012 – Jun. 2016*
  Courses: Advanced Mathematics, C Programming, Database Technology and Application, Automatic Control Theory, Basic Computer Software Technology.

SKILLS

- Proficient in Java and Javascript programming, familiar with Python and C programming.
- Front end experience: HTML, CSS/Flexbox, JavaScript(ES6), jQuery, Angular, Bootstrap/Semantic UI.
- Back end experience: Node.js, Express, NPM, RESTful APIs, Java Spring Boot.
- Proficient in object oriented analysis, design, and programming.
- Strong knowledge in Algorithms and Data Structures.
- Experience with Android development: UI design, ListView, RecyclerView, Multithreading programming.
- Familiar with Internet architecture (TCP/IP, DNS, HTTP, 802.11, etc.).
- Other technologies: MongoDB/Mongoose, Mysql, ETL, JUnit, Jasmine, OAuth

PROJECTS

Personal website: http://liangzhang.info/ (additional projects, details and links.)

YelpCamp https://tranquil-brushlands-23736.herokuapp.com/

YelpCamp is a fully-functioning website with responsive design, data persistence and user authentication.

- Designed the front end with html,css,Javascript and Bootstrap.
- Used Node.js, Express and other NPM pachages to design the RESTful API and MongoDB/Mongoose to implement data persistence.
- Utilized Passport.js, express-sessions to realize register, login function and user authentication.
- Deployed the website by useing Heroku and mLab.

Restaurant Website https://www.davidchuschinabistro.com/

A Chinese restaurant website for introduction, displaying menu and other information

- Established the layout and client side views and controllers of the restaurant website based on HTML, CSS, Bootstrap, javascript and Angularjs.
- Used Ajax and Json to serve up and process data.
- Connected the frontend to backend service to pull out menu data dynamically from server

Dribble Android Application

Dribbble is a communoty for showcasing user-made artwork.

- Implemented several features of dribbble website based on navigation drawer UI and connected to read data by dribbble API.
- Designed a bucket function which you can add your favorite shots to bucket(favorite).
- Added a share feature where your can share your dribbble data to other applications.
- Used OAuth to achieve token-based authentication and login function.

Object-Oriented-Design Projects https://github.com/liangnuaa/OO-Design-Projects/tree/master

- Designed an email automation tool, markdown file converter and an hangman game GUI using various design patterns.
- Tested by JUnit and achieved 75% coverage.
- Developed in Maven environment.