

Liutong Chen

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<https://liutongchen.github.io/>

Summary

I am a highly self-motivated and result-driven software developer who has strong interests and passions in computer science.

Skills

Language: Java, C#, Javascript, Python, SQL, Matlab, Typescript, C/C++, Bash
Framework & Library & Tools: React.js, Redux, Node.js, Express.js, DropWizard, SprintMVC, Hibernate, ASP.NET Core, D3.js, AWS Lambda, DynamoDB, Mocha, Chai, Enzyme, Jest, Django, Bootstrap, Material Design, JQuery, Gulp, Webpack, Babel, NPM, Postman, HTTP, Git, HTML, CSS

Experience

Software Developer, AY Technologies; Vancouver, Canada – Jan.2018-June.2018

- Full-stack development on multiple web application projects and mobile projects with large user pools, which includes but not limited to:
 1. A web application for the management and analysis of OR rooms and surgeries in hospitals;
 2. A web application for designing and printing real estate feature sheets. (<https://www.featurette.ca/>);
 3. An SaaS platform for restaurants to sell products, arrange deliveries and promote activities.
 4. A preflow learning tool (<https://www.plomatrix.com/>)
- Participate in the design of api and data model for backend services.
- Actively engage in knowledge sharing events and activities with team members.

✱Tech used: Java, Javascript, Dropwizard, Hibernate, SQL, React Native, React, Redux, Next.js, Puppeteer, Sentry, Google Cloud Platform, Jest, Enzyme, Gradle

Software Developer Intern, Ecoation; Vancouver, Canada – Sept.2017-Jan.2018

- Full-stack development on a responsive web application that presents users with real-time data visualization and interaction from machine learning models.
- Work with data science team to develop serverless backend APIs.
- Refactor existing code to improve readability, maintainability, and scalability and implement integration test.
- Prepare technical documentation for the deployment, maintenance, and use of software.

✱Tech used: React, Redux, D3.js, Node.js, AWS Lambda, DynamoDB, S3 bucket, Material Design, Webpack, Babel, ES6 JavaScript, Mocha.js and Chai.js

HR Intern, Microsoft; Beijing, China – Mar 2016-May 2016

- Worked with technical recruiter to evaluate and select software engineer candidates based on their technical background.
- Implemented automation tools in Python to automate form filling process, which largely increased work efficiency.

✳️Tech used: Selenium, Python

Education

Bachelor of Arts in English Culture and Communication (GPA 3.72/4.0, top 5%)
Guandong University of Foreign Studies, China

Self-learning Software Development, Nov.2016-present

Books:

- *Java: The Complete Reference, Tenth Edition* — Herbert Schildt
- *Secrets of the Javascript Ninja* — Bear Bibeault and John Resig
- *Javascript: The Good Parts* — Douglas Crockford
- *Introduction to Algorithms* — CLRS
- *Design Patterns* — GoF
- *Head First JavaScript Programming* — Eric T. Freeman and Elisabeth Robson
- *Clean Code* — Uncle Bob
- *Don't Make Me Think* — Steve Krug
- *CLR via C#* — Jeffrey Richter
- *Linear Algebra Done Right* — Sheldon Axler

Courses:

- *An Introduction to Interactive Programming in Python* — Rice University (97.9%)
- *Python Data Structures* — University of Michigan (99.2%)
- *Algorithms* — Princeton University (on going, 100% so far)
- *Advanced Node.js* — Pluralsight
- *RESTful Web Services with Node.js and Express* — Pluralsight
- *Introduction to SQL* — Pluralsight
- *Building Your First API with APS.NET Core* — Pluralsight
- *Building Applications with React and Redux in ES6* — Pluralsight
- *HTTP Fundamentals* — Pluralsight
- *Build iOS Apps with React Native* — Pluralsight
- *Spring & Hibernate* — Udemy

Personal Projects: <https://github.com/liutongchen>