

Yuxi Dong

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I'm Currently a second year graduate student graduating in April 2021
Full Stack Developer, Front End Developer, worked in industry for 3 years

Education **University of California, Riverside(GPA: 3.92)** Sep 2019 - Present
M.S., in Computer Engineering

University of Illinois at Urbana-Champaign Sep 2012 - May 2016
B.S., in Systems Engineering and Design, Computer Science minor

Experience **University of California, Riverside** July 2020 - Present
Position: Research Assistant

- Full stack development for a binary security research project

Tech Stack: React.js and related libraries, Java Spring Boot

AfterShip - SaaS, #1 tracking solution for eCommerce Nov 2018 - Sep 2019
Position: Full Stack Developer

- Frontend architecture redesign, developed and open sourced saga-resource framework (Github: <https://github.com/MichaelDuo/saga-resource>)
- Performance optimization(caching, tree shaking, code split, lazy load, server side rendering for better SEO and page load time, etc)
- Manage a team of 9 engineers
- Introduced Typescript to all frontend and Node.js projects
- End-to-end test foundation, practice behavior-driven development(BDD). Both of my team's E2E and unit tests cover more than 90% features and code.
- Optimize CI-CD flow(screenshot reported by CI for better debugging, virtual environment for tests in different environment, etc)

Tech Stack: React.js, Redux, Redux-saga, Saga-resource, Formik, Next.js(if SSR required), Typescript, Handlebars, Jest, Cypress, Node.js, Koa.js, MongoDB, etc...

XMind - Most popular mind mapping software June 2017 - Nov 2018
Position: Full Stack Developer

- Dockerize backend projects. Refactor from monolithic architecture to microservice architecture, generalize services API so that future products can integrate easily.
- Implement 'Outliner Editor' as the main update of XMind 2019 release
- Research on the gesture recognizing algorithm
- iOS application development

Tech stack: Vue.js, Electron, Handlebars, etc...

MUAssign - Auto grading system May 2016 - June 2017
Position: Full Stack Developer, CEO

- Math Expression comparison, open sourced latex to python interpreter (Github: <https://github.com/MichaelDuo/latex-expression-translator>)
- System architecture design
- Product management
- Manage a team of 4 engineers

- Financing from investors
 - Two major universities in China(Sichuan University and Shenzhen University), were using MUAssign as their assignment and quiz system
- Tech stack:** React.js and related libraries, Node.js, MongoDB, etc...

IBM

May 2014 - Aug 2014

Position: *Software Developer Internship*

- iOS application development

Projects

[Open source] Saga-resource

June 2019 - Sep 2019 @ AfterShip

Github: <https://github.com/MichaelDuo/saga-resource>

NPM: <https://www.npmjs.com/package/saga-resource>

Frontend framework written in Typescript, enables developers to write redux and redux-saga code without boilerplates. It has 300+ daily downloads on npm.

[Open source] Latex-expression-translator

May 2016 - Aug 2016 @ MUAssign

Github link: <https://github.com/MichaelDuo/latex-expression-translator>

The core component in the MUAssign's expression comparison system that translates user input(Latex format) into python code.

[Open source] Mindmap

July 2020 - Present, Personal project

Github: <https://github.com/MichaelDuo/mindmap>

Mindmap software that will support concurrent editing, currently under development.

MUAssign

May 2016 - June 2017 @ MUAssign

Demo video: <https://www.youtube.com/watch?v=zlgUHMojorI>

My startup company project, MUAssign is an assignment system that automatically grades, gives instant feedback, and generates unique questions to each student.

AfterShip

Nov 2018 - Sep 2019 @ AfterShip

AfterShip is a B2B service that serves more than 100,000 eCommerce businesses in over 200 countries. As a team lead of a frontend team with 9 people, I'm responsible for delivering reliable and seamless web experience, designing maintainable and scalable frontend architecture, and resource management.

XMind Outliner

Dec 2017 - Oct 2018 @ XMind

A new editor for XMind data structure with uncompromised functionality that offers a new way of organizing and presenting ideas in a linear fashion.

For more information about outliner please visit:

<https://www.xmind.net/blog/en/2018/11/xmind-zen-update-2019-big-release/>

IBM smart bank iPad application

May 2014 - Aug 2014 @ IBM

iPad application for staff with lobby control, customer calling notification, and messaging.

Skills

Programming language:

Javascript, Typescript, Python, Java, Objective C, Swift, C, C++, SQL

Frontend:

ReactJS, VueJS, Handlebars, Next.js, Redux, Redux-saga, jQuery, HTML, CSS

Backend:

Nodejs, MongoDB, Mongoose, SpringBoot, Nginx, PostgreSQL, MySQL, Docker, Google Cloud Platform(GCP), AWS

Testing:

Jest, Cucumber, Cypress, enzyme, mocha

Others:

Agile Methodologies, Travis, CircleCI, GitlabCI, Jenkins, ESLint, Git