

Dekun Ma

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EDUCATION

New York University (NYU)

Bachelor's degree, Computer Science and Data Science
- Undergraduate Teaching Assistant, Data Structures
- Dean's List Honor

Expected June 2023

GPA 3.97 / 4.0

SKILLS

Programming Languages: Java, JavaScript/TypeScript (ES6), Python

Frameworks and Libraries: SpringBoot, React, React Native, Next.js, Node.js, Vue, MyBatis, Redux

Databases: MySQL, PostgreSQL, MongoDB, Redis, Google Datastore, Neo4J

System & Tools: Linux, Jenkins, AWS EC2, Terraform, GCP App Engine, Docker

EXPERIENCE

ThoughtWorks | Full-stack Software Engineering Intern

05.2021 – 08.2021

Next.js, Spring Boot, React Native, TypeScript, PostgreSQL, GCP, Message Queues

[thoughtworks.com](https://www.thoughtworks.com)

- Developed the 1st fractionable stock trading app of Indonesia market, with **1,000,000+** installs.
- Boosted scalability by **300%** (projected) through implementing distributed microservices in **Spring Boot**.
- Increased unit test code coverage by **150%** across **all** micro services.
- **Led** Agile core procedures such as standup meetings and retrospectives over a team of **30** people.
- Received **“exceptional”** as the overall feedback.

LEADERSHIP

Chinese Computer Community | Software Engineering Chair

01.2020 – 12.2021

The largest student-based business incubator at UC San Diego

ucsdtriplec.org

- Reduced project deployment cost by **65%** percent through refactoring server/database infrastructures.
- Advised **16** Tech Leads and **80+** developers, ensured fast product delivery and good engineering practice.
- Benefited **500+** students by ideating and conducting multiple events and educational projects.

PROJECTS

EffiMatch | Tech Lead

01.2020 – 10.2021

React.js, Spring Boot, MySQL, MyBatis, TypeScript, Jenkins, Ant Design

bit.ly/effimatch-github

- **Led** a cross-functional team of **9** members, delivered **MVP** in **12** weeks.
- Decreased API turnaround time by **30%** through refactoring database accessing layer with **MyBatis**.
- Cut weekly deployment time from **30** mins to **2** mins by implementing CI/CD with **Jenkins**.

Outline VPN Management Panel | Full-stack Software Engineer

06.2020 – 01.2021

React.js, Feathers.js, MongoDB, Terraform

vpn.7debate.club

- Resolved the Outline API CORS problem by implementing a backend proxy server.
- Cut server deployment time by **90%** through automating infrastructure construction with **Terraform**.

Earthquake Monitor | Software Engineer

07.2020 – 10.2020

React Native

bit.ly/em-dekun

- Optimized app startup time by **70%** through caching.
- Designed and implemented immersive automatic **dark theme**.

Triple C Official Website | Full-stack Software Engineer

01.2021 – 07.2021

Vue, Nuxt.js, Spring Boot, MySQL, AWS Lambda, AWS Amplify

bit.ly/ucsdtriplec-github

- Brought down frontend loading time by **50%** through implementing server-side rendering in **Nuxt.js**.
- Reduced backend codebase volume by **75%** while keeping the performance.

Courum | Tech Lead

11.2019 – 03.2020

React.js, Feathers.js, Express.js, MongoDB, Material UI, AWS S3

courum.com

- Supported **3800+** course forums with a lightweight backend.
- Made frontend **100%** responsive to mobile devices with React.js and Material UI.