

# Michael W. Lu

## Software Engineer

### ABOUT ME

Front-end focused web developer,  
self-taught with a background in finance

(he/him)

### SKILLS

#### Technologies

JavaScript, TypeScript, React + Redux,  
Next.js, PostgreSQL, Microsoft SQL Server,  
REST API, GraphQL, HTML/CSS, Node.js

#### Tools

Git, AWS, Docker, Jest, Webpack, Figma, Jira

#### Certifications

Scaled Agile SAFe® 5 Practitioner

#### Languages

English, Mandarin Chinese (conversational)

#### Interests

Weightlifting, menswear fashion, cooking,  
mixology, consumer electronics

### EDUCATION

#### New York University // New York, NY

Stern School of Business

B.S. in Finance & Economics, 2013

### CONTACT

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✉ [michaelwenlu@gmail.com](mailto:michaelwenlu@gmail.com)

🌐 [michaelwenlu.com](https://michaelwenlu.com)

🐙 [github/michaelwlu](https://github.com/michaelwlu)

🌐 [linkedin/michaelwlu](https://www.linkedin.com/in/michaelwlu)

### EXPERIENCE

#### Spatial Front, Inc. // Remote

Software Engineer, USDA Conservation Programs

2021 – present

- Augment front-end application of the [Field Office Technical Guide](#), delivering 14 and counting feature-level enhancements through continuous integration/deployment within a Scaled Agile development lifecycle
- Independently spearhead a codebase modernization process by implementing React functional paradigm, streamlining state management, and increasing overall modularity (average component lines of code reduction of 68%) and testability (67 unit tests to date)
- Advanced internal DevOps by building an application to automate AWS infrastructure provisioning, servicing a solution train of 5 teams and 100+ members
- Team Hackathons: April 2021 – 2nd place of 5; July 2021 – 2nd place of 8

#### The Recurse Center // New York, NY

Programming Sabbatical

2020

- Developed personal technical ability through self-directed, intensive learning of languages, frameworks, and data structures/algorithms
- Collaborated with fellow programmers on various educational and creative projects (e.g. a user input [birthday validator](#) package that references Wikipedia for the current oldest living person)

#### NYU Langone Health // New York, NY

Senior Financial Analyst, Neuroscience Institute

2014 – 2020

- Sustained the institute's 6-year funding expansion from \$20M to \$40M through financial management of the operational budget and research portfolio
- Pioneered innovations in financial blueprinting and oversight by developing a comprehensive in-house system to centralize data, track variances, and model multi-year forecasts

### PROJECTS

#### Definitely Not Reddit // [definitelynotreddit.com](https://definitelynotreddit.com)

Full stack Reddit clone web application with user accounts, content posts (text, images, videos, links), upvotes/downvotes, and comments

</> Next.js, TypeScript, Apollo Server + Client, GraphQL, PostgreSQL

#### Melody Chuang Coaching // [melodychuangcoaching.com](https://melodychuangcoaching.com)

Life coaching business website with email- and database-attached contact forms and social media/rich content widgets

</> React, Node.js, Express, MongoDB, Tailwind CSS