

Mark Cui Pan

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EDUCATION

UW-MADISON

BS IN MOLECULAR BIOLOGY

May 2015 | Madison, WI

Cert. in Chinese Professional Comm.

Dean's List (four semesters)

WAUSAU WEST

HIGH SCHOOL DIPLOMA

May 2011 | Wausau, WI

Valedictorian

National AP Scholar

LINKS

GitHub:// [factcondenser](#)

LinkedIn:// [markcuipan](#)

Twitter:// [markcuipan](#)

COURSEWORK

SELF-STUDY

Russ Olsen's Design Patterns in Ruby

Paulo Perrotta's Metaprogramming Ruby

Sandi Metz's Practical OO Design in Ruby

UNDERGRADUATE

Data Structures and Algorithms

Computer Engineering

Artificial Intelligence

SKILLS

PROGRAMMING

Most comfortable with:

Ruby • Rails • JavaScript

React • Vue • RSpec • Jest

Cypress • CSS3 • Git • SQL

Working knowledge of:

Golang • Python • Java

Kafka • GraphQL • Node

AWS • Docker • Bash

Have dabbled in:

Elixir • Rust • Android • \LaTeX

LANGUAGES

Fluent

English • Cantonese

Competent:

Mandarin • Spanish

EXPERIENCE

SPLITWISE | SOFTWARE ENGINEER

Oct 2022 – Present | New York, NY

- I'm a proud member of the server team.

META | SOFTWARE ENGINEER

Aug 2021 – Oct 2022 | Menlo Park, CA

- I created value for millions of businesses and their customers by improving the **Shops** experience.

DOXIMITY | SOFTWARE ENGINEER

Aug 2019 – Aug 2021 | Austin, TX

- I improved an algorithm for reaggregating notifications, which decreased that endpoint's memory allocations by over 90%.
- I optimized a daily-run archive job by making use of batching, caching, and a compound index, which reduced the job's execution time by 98%.

WISCONSIN ENERGY INSTITUTE | SOFTWARE ENGINEER

Feb 2018 – Jul 2019 | Madison, WI

- I wrote rake tasks to import mission-critical Excel data for reporting to the U.S. Department of Energy, the institute's primary funding source.

COMMUNITY INVOLVEMENT

CODE2COLLEGE | CO-INSTRUCTOR

I co-lead a biweekly Python and JavaScript course for high-schoolers in Austin.

DEV TOGETHER | MENTOR

I mentored new developers at pair programming events around Madison.

MAD-RAILERS | PRESENTER

I gave a technical talk on **metaprogramming** and a non-technical one on **job-hunting**.