

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)

Cumulative GPA: 3.42 out of 4

WAUSAU WEST

HIGH SCHOOL DIPLOMA

May 2011 | Wausau, WI

Valedictorian

Outstanding English Student

LINKS

Github:// [factcondenser](#)

LinkedIn:// [markcuipan](#)

Quora: // [Mark-Cui-Pan](#)

COURSEWORK

SELF-STUDY

HarvardX Intro to Computer Science

Michael Hartl's Ruby on Rails Tutorial

Udacity's Developing Android Apps

Andrew Ng's Machine Learning

UNDERGRADUATE

Data Structures and Algorithms

Computer Engineering

Artificial Intelligence

SKILLS

PROGRAMMING

Experienced in:

Rails • React • GraphQL

RSpec • Capybara • BDD

HTML5 • CSS3 • SQL

Node • Bash • Git • Scrum

Familiar with:

Python • Java • C

AWS • Heroku • Docker

Have dabbled in:

Julia • Android • \LaTeX

LANGUAGES

Fluent

English • Cantonese

Competent:

Mandarin • Spanish

EXPERIENCE

WISCONSIN ENERGY INSTITUTE | SOFTWARE ENGINEER

Feb 2018 – Present | Madison, WI

- I build web tools to help researchers organize and analyze their data.
- I work with a small team of developers in an agile, value-driven environment. I frequently meet one-on-one with users to cater our software to their evolving needs.

BAOZI TUTORS | CO-FOUNDER

Oct 2017 – Present | Hong Kong

- I built this web-based tutor-matching platform with my co-founder using **Ruby on Rails** and a test-driven, iterative workflow. I'm currently in the process of making the app **PWA-compliant** to expand our user base.
- I made a **WordPress site** to advertise my personal tutoring services and later migrated it to a **page** on my portfolio site. I built the page from scratch using HTML5, CSS3, and JS. I used Bootstrap and media queries to make it responsive and painstakingly took its **PageSpeed Insights** score from 43 to 100/100, learning tons about asset-optimization, design standards, **CDNs**, and cache-control in the process.

OPTIMIZE YOUR GROW | CONTRACTOR

Fall 2017 | Oakland, CA

- Requests were timing out because the server was busy solving an optimization problem. Despite a dearth of resources detailing how to get Julia to play nice with Heroku, I resolved the issue and learned a ton about **Heroku's process model**, concurrency, and **task queues**.
- I also learned the value of communicating early and often - both in code and in customer relations - and gained a better appreciation for the Minimum Viable Product. The difference between 'good enough for now' and 'perfect a while later' is money my clients could be making.

RESEARCH

UW-MADISON DEPT. OF PSYCH. | UNDERGRADUATE RESEARCHER

Jan 2014 – Aug 2014 | Madison, WI

Assisted **Stacey Kigar** and **Prof. Tony Auger** with data collection and analysis to study epigenetic mechanisms using the central nervous system of *Rattus* spp. as a model.

Wrote a **Python script** to perform calculations and expedite cDNA synthesis.

AWARDS & ACCOMPLISHMENTS

2014	Top Third	CS540 Intra-Class Nannon Bot Tournament
2011	National	National AP Scholar
2011	State	Wisconsin Academic Excellence Award
2011	2 nd /50	Wisconsin Science Olympiad Tournament
2011	State	DAR Good Citizens Award & Scholarship

REFERENCES

Westley Bonack | Software Engineer, **Getty Images**

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