

CHENYU NIU

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EDUCATION

University of Wisconsin-Madison
B.S Computer Science, Mathematics Minor

Madison, WI. (September 2020 - December 2022)
Cumulative GPA: 3.70

Edmonds College
A.S Computer Science

Seattle, WA. (September 2017 - June 2020)
Cumulative GPA: 3.82

TECHNICAL SKILLS

Programming Skills	Java, C/C++, Python, JavaScript, HTML, CSS, Unix/Linux, GCP, L ^A T _E X
Software	Android Studio, IntelliJ IDEA, Visual Studio, VS Code, Vim, NetBeans
Languages	Chinese (Mandarin), English
Course Highlight	Operating Systems, Computer Networks, Linear Optimization

PROJECTS

Piggy Bank Android App April 2020
Back-end & Front-end developer

- Track user's income and expense with categories, display data in RecyclerView and a pie chart
- Cloud storage individual's user data using Google Firebase firestore
- Real-time synchronize between multiple devices
- Project Demo: <https://vimeo.com/491026787>

Cryptocurrency and Stock Portfolio Website December 2020
Back-end developer

- A website that displays a user's trading record to others
- Implemented with Apache HTTP server, CSS, Java, and JavaScript

Parallel Run-length encoding Data Compression Algorithm November 2021

- Multi-threading implementation of RLE compression algorithm
- Scored top 20% performance in Operating System course performance test

EXPERIENCE

iHealth Labs June 2022 - September 2022
Software Developer Internship San Francisco, CA.

- Study the software engineering process in the development of health labs software and help users to optimize the software.
- Using mainstream PaaS platforms, as well as commonly used SaaS services.

Math Club January 2019 - June 2020
President Seattle, WA.

- Organizing events and creating the club website. Offering volunteering opportunities during Western Washington University Math Conference. Holding preparation section of AMATYC Student Math Competition as well as Integration Bee.

One Hour Project Club June 2018 - June 2020
English Tutor Seattle, WA.

- Teach online English classes to students from rural areas of China