CHENYU NIU

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EDUCATION

University of Wisconsin-Madison   Madison, WI. (September 2020 - December 2022)
B.S Computer Science, Mathematics Minor   *Cumulative GPA: 3.70*

Edmonds College   Seattle, WA. (September 2017 - June 2020)
A.S Computer Science   *Cumulative GPA: 3.80*

TECHNICAL SKILLS

Programming Skills	Java, JavaScript, HTML, C/C++, Python, Unix/Linux, LaTeX
Software	Android Studio, Intellij IDEA, Visual Studio, VS Code, Vim, NetBeans
Languages	Chinese (Mandarin), English
Course Highlight	Introduction to Operating Systems, Matrix Method in Machine Learning

EXPERIENCE

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 and mainly teach students speaking using English.

Google Developer Student Club   Feb 2021 - Present
Member   *Madison, WI.*

- Google Developer Student Clubs at UW-Madison is a campus organization led by the University of Wisconsin-Madison students and supported by Google Developers.

PROJECTS

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

- Track user's income and expense with categories, and display data in RecyclerView as well as a pie chart
- Cloud storage individual's user data using Google fireBase firestore
- Real-time synchronize between multiple devices

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

Parallel Run-length encoding Data Compression Algorithm   November 2021

- Multi-threading implementation of RLE compression algorithm to improve performance