

# CHENYU NIU

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## EDUCATION

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**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

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**Programming Skills** Java, JavaScript, HTML, C/C++, Python, Unix/Linux, L<sup>A</sup>T<sub>E</sub>X, Firebase  
**Software** Android Studio, IntelliJ IDEA, Visual Studio, VS Code, Vim, NetBeans  
**Languages** Chinese (Mandarin), English  
**Course Highlight** CS537-Operating Systems, CS532-Matrix Method in Machine Learning

## EXPERIENCE

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**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

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**Piggy Bank Mobile 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

**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
- Top 20% performance in class