

# Yushun (Oliver) Chen

## Education

### University of Wisconsin - Madison

Bachelor of Science: Computer Science, Statistics, and Applied Math  
September 2019 - May 2022 (expected), Madison, WI  
GPA: 3.962/4.000. Dean's List (all semesters).

### College of Letters & Science Honors Program

Offered to UW-Madison's most talented and engaged undergraduates. Requires 24-credit Honors coursework from humanities to social and natural sciences.

### Charlotte Catholic High School

Aug 2016 - May 2019, Charlotte, NC  
GPA: 4.5/4.8. First Honors (all semesters). Founder of the Ping Pong Club. Student manager for varsity men's soccer team. Member of the varsity track and field team.

## Experience

### Xunxiang Web Development Team | Full-stack Developer

May 2020 - Present

Collaborating as a core member for the web development for Xunxiang, a platform of information and peer mentoring for international students.

- Utilizing knowledge of HTML/CSS, JavaScript, Node.js, React.js, Django.
- Used APIs, frameworks, and libraries from Bootstrap, jQuery, Editor.js, Mongoose and implemented MongoDB for back-end databases.

### Undergraduate Research Assistant | CAVH Group

September 2020 - Present

Working on research projects in the Connected and Automated Vehicle & Highway System group under Dr. Bin Ran, Dept. of Civil and Environmental engineering

- Implementing highway systems of manual and automated vehicles including car following models, lane changing, cost functions, platooning, and other simulations
- Conducted literature reviews for CAVH related algorithms

### China Construction Bank | Intern

June 2018 - July 2018

Interned at China Construction Bank Three Gorges Branch.

- Helped people with opening accounts, transferring and depositing, corporate banking service, loan application, living expenses payment, etc.
- Guided the customers to use e-bank machines so they could deal with business independently, and helped the old use the ATM machines.
- Learned about big data management of user information.

### State Grid Corporation of China | Intern

June 2017 - July 2017

Interned in State Grid Yuan'an Power Dispatching Control Center.

- Learned about the distribution of electricity into households in the city
- Contributed to monitoring, recording, and equipment repairing of the transmission and dispatch of electric power.

## Contact Details

1001 University Ave.  
Madison, WI 53715  
Phone: 608-590-3114  
Email: [ychen939wisc.edu](mailto:ychen939wisc.edu)

## Selected Coursework

Advanced R for Statistics  
Applied Regression Analysis  
Calculus  
Combinatorics  
Inference  
Linear Algebra  
Probability  
Programming  
Mathematical Analysis  
Mathematical Statistics

## Skills

Programming skills:  
R, Java, HTML/CSS, JavaScript, Python  
Personal skills:  
Chinese Calligraphy  
Drum Kit & Guitar

## Selected Honors & Awards

- UW-Madison Undergraduate Scholarship for Summer Study
- National AP Scholar & AP Scholar with Distinction
- Academic Achievement Award: Class of 2019, from the Department of Physics at CCHS
- National Honor Society
- Mu Alpha Theta (National Math Honor Society)
- American Mathematics Competition: Highest score holder at CCHS

## Quick Links

Portfolio website:  
<https://yushunchen.github.io/>  
GitHub: [YushunChen](https://github.com/YushunChen)  
LinkedIn: [Yushun \(Oliver\) Chen](https://www.linkedin.com/in/Yushun(Oliver)Chen)