Yushun Chen

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University of Wisconsin - Madison	**September 2019 - August 2022**

Bachelor of Science in Computer Science, Statistics, and Applied Math

GPA: 3.94/4.00 (Dean's List for consecutive four semesters)

College of Letters & Science Honors Program (offered to UW-Madison's most talented and engaged undergraduates and requires 24-credit Honors coursework from humanities to social and natural sciences)

Charlotte Catholic High School	**August 2016 - May 2019**

GPA: 4.5/4.8 (First Honors for consecutive six semesters)

EXPERIENCE

Connected and Automated Vehicles Systems Group | Undergraduate Research Assistant

Supervisor: Dr. Bin Ran   **September 2020 - February 2021**

➢ The project focused on mandatory lane change behaviors of CAVs from a dedicated lane, which prioritizes lane changing decisions near the diverging zone and optimizes total system travel time

➢ Conducted literature reviews for CAVH related algorithms, contributed to group's publication by conducting literature reviews for 20+ CAVH papers, giving multiple presentations, and implementing and testing CAVH systems of manual and automated vehicles including car following models, lane changing decisions, cost functions, platooning models, and other simulations

Xunxiang Organization | Technology Team Director   **May 2020 - Present**

Online, a non-profit organization providing information and mentorship for international students

➢ Lead the tech team of three people to develop and implement solutions that empower the operation and growth of the organization, resulting in 1000% increase in web traffic within two months and 20% increase in net promoter score

➢ Plan and execute monthly sprints based on organizational priorities and following Agile-Scrum framework; Mentored two junior developers in the technology team by supporting their personal growth

➢ Collaborated with designers and product managers to develop full-stack web applications that enable users to exchange and share information; Explored and developed some plugins for internal use by Node.js, Express.js, and MongoDB. Developing a knowledge base website using Vue.js and SpringBoot

PointNinetyNine | https://point99.app/   **December 2020 – Present**

➢ Led the team of four engineers to produce the current MVP version of the full-stack application

➢ Focused on and implemented user registration and user profile portions of the app; Integrated and customized Ant Design in React.js to accomplish designed graphics and user flow; Implemented GraphQL with Django through Graphene-Django and designed GraphQL queries and mutations to optimize CRUD operations

➢ Personalized user experiences based on their identity, interested industry/topics, and followed users

➢ Optimized code base regularly through organizing code refactor, code review, and pair programming

Xunxiang Official Website | https://xunxiang.org/   **September 2020 – January 2021**

➢ Developed the official website for Xunxiang using HTML/CSS/JS, Bootstrap, and Material UI.

➢ Measured website loading time from locations worldwide and conducted statistical experiments to test significant factors that affect it; optimized website loading speed accordingly by using CDN, minimizing HTTP requests, implementing asynchronous loading, and testing different deployment methods

➢ Implemented website analytical services using Google Analytics; Visualized and monitored metrics including

website traffic, user geography, user interaction with the website and made improvements based on analysis

INTERNSHIP

Dell Technologies | Software Engineering Intern   ***May 2022 – August 2022***

Incoming intern at Dell Technologies in its headquarters in Round Rock, TX

China Construction Bank Corporation-Three Gorges Branch | Intern   **June 2018 - July 2018**

➢ Guided about more than 500 customers to handle banking businesses including opening accounts, transferring and depositing money, corporate banking service, loan application, and living expenses payments

➢ Demonstrated and taught clients who are from various age groups and have different physical abilities to navigate e-banking software and systems; reflected from such user experiences and provided helpful suggestions regarding accessibility for the bank as a software developer; learned about big data management

EXTRACURRICULAR ACTIVITIES

Google CS Research Mentorship Program | Mentee   **September 2021 – December 2021**

➢ Discussed research idea/topics/problems, industry practices, and personal growth of researchers in the fields of software engineering (SE) and human-computer interaction (HCI) at Google

➢ Learned about the research process including defining a problem, conducting experiments, and publishing papers in SE and HCI by communicated with the Google mentor, researchers, and peer students in related fields through pod sessions, workshops, and 1-on-1 meetings

McBurney Disability Resource Center | Note-taker   **September 2019 – December 2020**

Worked as a note-taker for the disability resource center

➢ Provide comprehensive and well-organized notes of lectures, discussions, and labs for the center to help those who need accommodations with the mind of accessibility as a software developer

University Housing Dining & Culinary Services | Team Member   **September 2019 - November 2019**

Worked at Liz's Market which is an on-campus dining hall

➢ Provided excellent dining and culinary services such as preparing and serving food, cleaning, and operating cash registers and POS systems; helped other new members to fit into the team

Web Development Club, Undergraduate Statistics Club   **September 2019**

SELECTED HONORS AND AWARDS

UW-Madison Undergraduate Scholarship for Summer Study	May 2020/2021
National AP Scholar & AP Scholar with Distinction	May 2019
Academic Achievement Award: Class of 2019, from the Department of Physics at CCHS	May 2019
National Honor Society	April 2018
American Mathematics Competition 2018: Highest score holder at CCHS	December 2018
Mu Alpha Theta (National Math Honor Society)	April 2018

SKILLS

Programming Language: proficient in Java, R, HTML/CSS, JavaScript, TypeScript, Python, C, SQL

Framework: React.js, Vue.js | GraphQL, Node.js, Express.js | Django, MongoDB

Tool: Ant Design, Bootstrap, Material UI, | Git, Visual Studio, IntelliJ, Vim, LaTeX | Heroku, DigitalOcean

Coursera: [JavaScript Bootcamp](), [Web Development Bootcamp](), [Neural Networks and Deep Learning]()

Hobby: Chinese Calligraphy, drum kit