



Chengyan Wang

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EDUCATION

Bachelor of Science in Computer & Information Science, Cum Laude

The Ohio State University – Columbus, OH

Major: **Computer & Information Science**

Minor: **General Psychology**

Cumulative GPA: 3.62

TECHNICAL SKILLS

Mobile App Development: Java (Android), JavaScript (React Native)

Programming Languages: C++/C, C#, Python, Ruby, Bash, SQL

Web Development: HTML/CSS/JS, React, Node.js, RESTful API, OAuth, ASP.NET Web API

Database Management: MS SQL, MongoDB, MySQL

PROJECTS/PROGRAMS

ICICLE Website – (Full Stack Development)

- Independently developed a secure, responsive Django website using HTML/CSS/JS, Bootstrap.
- Took initiative to research and implement OAuth OpenID protocol verification for improved security.
- Implemented a user-friendly form to initiate drone launch sequences, utilizing Jetstream2 cloud, Docker, Kubernetes, and HTTP backend API calls, offering unique and interactive site features.

Mobile Chat App – (Android Application Development)

- Passionate in developing an Android chat app using OpenAI API, introducing a memory pool feature for conversation retention.
- Boosted app efficiency by adeptly integrating Retrofit and OkHttp libraries.
- Ensured app stability through Wireshark network debugging and thorough exception handling.

Multiplayer Mario Game

- Led the transformation of a Super Mario Bros replica into an innovative multiplayer game.
- Implemented immersive sound systems, responsive collision detection, and contributed to game design and development architecture.
- Collaborated within a five-member team utilizing Git and Agile methodologies.

COLLEGIATE INVOLVEMENT

OSU CSE Undergraduate Research Assistant - (12/13/2022 - 5/7/2023)

ICICLE Digital Agriculture Build Team – Columbus, Ohio

- Actively contributed to OpenPASS development in a multi-disciplinary team of graduate students.
- Completed microservices tasks, demonstrating technical competence and commitment.
- Engaged in weekly meetings, fostering clear communication and collaborative problem-solving.

Treasure - (5/1/2021 - 10/1/2022)

Faith Works Chinese Student Club – Columbus, Ohio

- Served in the executive board and actively contributed to the strategic planning of the culture awareness and community service events.
- Managed program funding and collaborated with school officials on fiscal matters.