CW

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

Programming Languages: C++/C, C#, Python, Ruby, Bash, SQL
Web Development: React, Angular, Node.js, HTML/CSS/JS, REST API, OAuth, Ruby on Rails, Django
Database Management: MS SQL, MongoDB, MySQL
Testing Tools: Jest, Cypress, React Testing Library, Postman

PROJECTS/PROGRAMS

ICICLE Website – (Full Stack Development)
- Spearheaded the development of a secure, responsive **Django** website, leveraging **HTML5, CSS, JS** and **Bootstrap 5** to ensure optimal user experience.
- Pioneered the implementation of **OAuth** OpenID protocol, bolstering website security and user trust.
- Engineered an intuitive drone launch UI, harnessing **Jetstream2**, **Docker**, **Kubernetes**, and **REST APIs** to deliver unique, interactive site features.

Rails Student Management System – (Full Stack Development)
- Steered the development of a **Ruby on Rails** Student Management System, applying **MVC** architecture and leveraging the various gems, including **HTTParty** for real-time **API** scraping.
- Designed an intuitive main course page using **Bootstrap 5** and utilized **SQLite** for development and deployed the application on Oracle **Linux VM**
- Worked in an **Agile-Scrum** development methodology to ensure delivery of high quality work.

Peer Support Group Website – (Frontend Development)
- Led a team of five to construct the "PSG Website", a platform offering reading club services.
- Independently designed, developed, and tested of a **single-page application (SPA)** using **React**, **Redux**, **HTML5, CSS, TypeScript**, **Material UI**, and **Express.js**.
- Employed **Jest** and **Cypress** for rigorous **unit** and **end-to-end testing**, significantly enhancing app reliability and performance.

COLLEGIATE INVOLVEMENT

OSU CSE Undergraduate Research Assistant - (12/13/2022 - present)
ICICLE Digital Agriculture Build Team – Columbus, Ohio
- Actively contributed to OpenPASS development in a multi-disciplinary team of graduate students.
- Engaged in weekly meetings, fostering clear communication and collaborative problem-solving.

Residential Advisor - (9/1/2020 - 5/7/2023)
The Ohio State University – Columbus, Ohio
- Mentored 25 freshmen and collaborated with 13 resident advisors to foster a thriving hall community.