

Yi Chen

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Education

University of Michigan, Ann Arbor, MI, United States

May 2021

Bachelor of Science in Computer Science

GPA:3.7/4.0

Bachelor of Arts in History

Working Experience

MARS Global Service – Information Services, Guangzhou, China

Jun. 2020 – Aug. 2020

- Participated in two critical projects: IoT+5G Intelligent Workplace, Flexible Working on WeChat Work.
- Designed interactive deliverables to promote both projects, which received many positive feedbacks.
- Compiled an equipment handbook to guide future implementation of Intelligent Workplace in other sites.
- Solidified the management regulations of WeChat Work in MARS.

Computer Science Project Experience

Single-page Web Forum (html, css, JavaScript, Vue.js, Node.js, MongoDB)

- Designed and implemented a game forum with backend APIs to manipulate the data.
- Provided comprehensive functionalities such as creating account, making new posts, and filtering contents. All data is processed by REST APIs and stored in backend MongoDB Atlas databases.
- Applied advanced user experience (UX) design principles; collected and analyzed feedbacks from users to improve usability and user interface, making the forum user-centered.

Single-page Game – Mardi Gras Parade (html, css, JavaScript with JQuery)

- Implemented a single-page game of Mardi Gras Parade using html and JavaScript.
- Allowed users to control their own characters to pick up items while competing with NPC characters.
- Combined html with JavaScript and JQuery to produce a sophisticated event-based web app.

Self-Implemented Space Invader-like Shooting Game (C++ with Arduino)

- Designed and implemented a high completeness Space Invader-like game using C++.
- Applied basic game design concept such as game object and level design.
- Designed unique game features such as weapon update and boss level as extension of original game.

Research

-War and Occupation Dataset - Research Assistant, Ann Arbor, MI, U.S.

Sept. 2019 - May. 2020

- A research guided by Dr. Anthony Marcum in University of Michigan and funded by UROP.
- Related fields including history, political science, sociology, and international relations.
- Analyzed data from primary sources to build a comprehensive understanding on those conflicts.
- Collected data and notes will be used by Dr. Marcum for his book in the future.

Skills

- C++, SQL, MongoDB, JavaScript, html, css, Vue.js, Python, C#, MATLAB, Unity
- Fluent English, Chinese Mandarin, and Cantonese in reading, speaking, listening, writing.
- Fluent Japanese in reading, speaking, listening. (JLPT Level 1/N1: Passed in 2018)

Other Experience

JASSO Scholarship – Summer Session of Waseda University; Tokyo, Japan

Jun. 2017 - Jul. 2017

- Received the JASSO Scholarship of 80,000 JPY for outstanding academic ability.