MINGYUAN (VINCENT) REN

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EDUCATION

University of California, San Diego, John Muir College — San Diego, CA
Candidate for Bachelor of Computer Science, expected 06/2024 — September 2022 – Present
- Major in Computer Science
- Relevant Courses: Java, Statistics, Physics

University of California, Riverside, Marlan and Rosemary Bourns College of Engineering — Riverside, CA
Candidate for Bachelor of Computer Science, expected 06/2024 — September 2020 – June 2022
- Major in Computer Science
- Relevant Courses: C++, Calculus, Linear Algebra, Physics, Intro to Computer Programming, Data Structures and Algorithms, Software Construction, Machine Organization and Assembly, Discrete Structure

PROFESSIONAL SKILLS

Programming Languages: C, C++, Java, Python, R, Assembly, Verilog, LaTeX
Software and Platforms: Git and GitHub, Xilinx, VS Code, LC3
Languages Speaking: English (fluent), Chinese (native)

PRACTICE

Zhejiang JoyTech Med Science Co., Ltd — Hangzhou, China
MCU Engineer — August 2022 – September 2022
- Upgraded the Bluetooth feature on a current on-sale thermometer
- Established SPI communication between HY17P56 MCU and the new Bluetooth chip
- Designed new BLE text and receive pattern, and built connection between user mobile app and the thermometer

University of California, Riverside — Riverside, California
"Xiangqi" Chess Game Project Group Member — March 2022 – June 2022
- Designed the overflow of the game, and designed the outline of the project
- Developed the algorithm generating valid moves of a given piece
- Trained a weak computer player that can play based on what move the human player place into the console

University of California, Riverside — Riverside, California
Cutie Hack Programming Activity — November 2022
- Working on a VR shooting game on econ3D platform.
- Designed and developed C++ code for the game.

University of Southern California — Irvine, California
Machine Learning Researcher — September 2020 – November 2020
- Participated in an online machine learning research conducted by Professor Victor Adamchik in USC.
- Completed project: well-trained a XG Boost module to study influences of online shopping website designing elements on customer clickstream. The module can be used to predict expected clickstream.

EXTRACURRICULAR AND LEADERSHIP EXPERIENCE

C Programming Club — Hangzhou, China
Director, 1hr/wk, 36 wks/yr — September 2017 – June 2018
- Set up the first C programming club in high school to increase the knowledge of the fellow students
- Designed training courses, modified them to enhance the learning efficiency, and delivered courses per week
- Guided members to develop programming games like gobang
- Managed 30 members and improved their programming abilities with C