Justin Zhang

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EDUCATION

University of California, Merced, School of Engineering   **Expected Graduation: May 2020**
Major: B.S in Computer Science and Engineering   **GPA**: 3.0
Minor: Business and management
Computer Science and Engineering Relevant Courses: Data Structures, Discrete Mathematics, Computer Organization and Assembly, Intro to Object Orient Programing, Algorithm Design and Analysis, Introduction to Artificial Intelligence, Operating Systems

SKILLS

Operating System: Windows XP | Windows 7,8,10 | Mac OS | Linux | Ubuntu
Programing Language: Java | JavaScript | C | C++ | R Studio | StatalC | Open GL | Arduino | HTML
Programs: Adobe Photoshop | Microsoft Office | Google Drive
Spoken Language: Fluent – English and Mandarin | Japanese – Professional

PROJECTS

Personal Website   09/2018
- Implemented HTML through GitHub designing every aspect of my personal website
- Website: yiyanjz.github.io

Game Developed – Team Rolling Dice   04/2018
- Implemented OpenGL, C++/C, Photoshop skills developing a 2D role playing action game
- Award best designed game using Object Orient Programming in Merced

Game Developed – Tic Tac Toe   02/2018
- Used OpenGL to design and construct the board, X or O symbols
- Game History Stored during gameplay to allow players to redo previous moves
- Used C++ to design an AI mode and a two player mode

App Developed - Rental Car   03/2015
- Developed a tool using java for a company that offers users detail about car rental
- Provided the user an options to choose between different type of cars as well as the amount of rental days

EXPERIENCE

Networked Embedded Systems Research laboratory   09/2018 – Present
- Modified Wireless sensors LoRA and LoRaWan expanding the network server
- Implemented C/C++ through Arduino connecting hundreds of sensors and modifying it individually
- Worked with TCP/IP LoRawan to connected Gateway accessing the network server

HackMerced, Information Technology Specialist   09/2017 – 10/2017
- Managed equipment such as monitors, cable connections, PowerPoint difficulties during HackMerced
- Responsible for fixing any technical problems that occurred during HackMerced
- Performed checkup on equipments throughout the day, made sure the event run smoothly

EM-Tea   12/2016 – 05/2018
- Directly interacted with costumers and fulfilled their demands getting the store a 30% in costumers' return
- Successfully worked in a fast paced, multitasking environment

AFFILIATION

Society of Asian Scientists and Engineers (SASE)-University of California, Merced   01/2016 – Present
President
- Revived chapter and mobilized full executive board for 2016-2017
- Connected the entire UC Merced campus forming an alliance with every STEM organization

Science on Saturday (SOS) – University of California, Merced   04/2018 – Present
Director
- Communicated regularly with other student organizations, administrative offices, faculty, and community members to achieve goals of organizing meetings, conferences, and events
- Educated kids and adults about science and engineering through Arduino, Robotics and etc.