Justin Zhang

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EDUCATION

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

SKILLS

Programing Language: Python | Java | JavaScript | C | C++ | R Studio | StatalC | OpenGL | Arduino | HTML | CSS
Operating System: Windows XP | Windows 7,8,10 | Mac OS | Linux | Ubuntu
Spoken Language: Fluent – English and Mandarin | Professional - Japanese

CS PROJECTS

Google Extension – Introduction to Google Chrome   **September 2018**
- Designed two UI popups for both Mac and Windows users walking them through basic shortcuts for Chrome
- Implemented CSS and HTML through Visual Studio Code to design both user interface

Personal Profile Website   **September 2018**
- Implemented HTML and CSS through GitHub Pages connecting to LinkedIn, GitHub, Resume and Email
- Personal Website: yiyanjz.github.io

Game Developed – Monster Fighter   **April 2018**
- Utilized OpenGL, C++/C, GLUT, Photoshop skills to develop a 2D role playing action game
- Awarded best designed game using Object Orient Programming skills in UC Merced

Game Developed – Tic Tac Toe   **February 2018**
- Used object-oriented programming techniques to create a simple graphical TIC-TAC-TOE game utilizing the OpenGL Utility Toolkit libraries in C++
- Created AI mode and player vs. player mode by using stochastic algorithms

EXPERIENCE

UC Merced, Information Technology Consultant   **September 2018 – Present**
- Provided technological assistance and customer service to over 6,000 students and over 300 staff members through effective communication, diagnosing, and problem solving
- Troubleshoot basic to advanced hardware, software, network problems for students and faculty

Networked Embedded Systems Research laboratory   **September 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   **September 2017 – October 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

AFFILIATION

Society of Asian Scientists and Engineers (SASE) - University of California, Merced   **Fall 2016 – Present**
President | Vice – President | Social Chair
- 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   **Fall 2018 – Present**
Director
- Developed SOS Academy outreach programs, reaching 1000+ k-12 students
- Facilitated 4+ projects, including Arduino, developing a Robotic Arm, coding with Arduino