ZIRUI WANG

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EDUCATION

University of California San Diego   *September 2017 - June 2021(Expected)*
Bachelor of Science, major in Computer Science, minor in Mathematics   *Major GPA: 3.74/4.0*
- Proficient in C, C++, Java, JavaScript, Python, SQL, HTML, MATLAB, and LaTeX

Bachelor of Arts, major in Economics   *Major GPA: 3.92/4.0*
- Provost Honors in Spring & Fall 2018, Spring & Fall 2019, Winter, Spring & Fall 2020

WORK EXPERIENCE

Rady School of Management, UC San Diego   *April 2020 - Present*
Research Assistant, supervised by Prof. Joseph Engelberg on PDDE paper   *San Diego, CA*
- Develop a Human Intelligence Task (HIT) that simulates changes in the net worth of a stock portfolio using Javascript
- Modify the frontend and backend of the web-app as per Prof. Engelberg's request on a semi-weekly basis
- Deployed on Amazon MTurk & a Chinese platform, which has attracted 12k+ users with 410k+ decisions stored
- Automated the distribution of customized bonus payments to each user in a total of $12k+ by using Python

Department of Economics, UC San Diego   *September 2020 - Present*
Undergraduate Instructional Apprentice of Microeconomics   *San Diego, CA*
- Review problem sets and quiz solutions to 350+ students; hold two office hours per week; complete ad-hoc duties

Computer Science and Engineering Department, UC San Diego   *September 2020 - December 2020*
Tutor of Post-Relational Data Models   *San Diego, CA*
- Hold two office hours per week; grade the homework of the entire class; complete ad-hoc duties

Department of Economics, UC San Diego   *April 2020 - August 2020*
Research Assistant, supervised by Prof. Alexis Akira Toda   *San Diego, CA*
- Conducted analysis by using MATLAB to predict the course of COVID-19 epidemic on a daily basis

Inspur Group   *July 2019 - September 2019*
Software Engineer Intern   *Shandong, China*
- Constructed MySql tables and implemented table functions of Create, Read, Update, and Delete on the webpage
- Developed a Configuration Management Database (CMDB) by using Spring framework, EasyUI, and MySql

Hehexinxi Technology   *June 2018 - August 2018*
Software Tester Intern   *Shandong, China*
- Produced 2 sets of test cases to examine a semi-finished application and led a team of 5 to detect software errors
- Coordinated between client companies and production team regarding software requirements

ACTIVITIES & HONORS

Blueprint CS - UCSD Software Design Hackathon   *May 2019*
Team Leader of SnapReminder app   *San Diego, CA*
- Awarded the first prize among 20+ teams of 4 by finishing the blueprint of a self-designed application
- Optimized a reminder app by adding camera functions to extract info from photos and set reminders automatically
- Generated a thorough blueprint by presenting app overview, BDD user stories, technology plan, use case diagram

HackSC   *April 2019*
Team Leader of Unlock app   *Los Angeles, CA*
- Implemented a mobile app by using React Native and Google Cloud APIs to identify unsafe ubers
- Created "Unlock Unsafe Uber" function by analyzing routes to warn users to unlock cars when emergencies occur

SKILLS

Frameworks/Libraries   Express.js, Pandas, PyTorch, TensorFlow, jQuery, Spring, Bootstrap, Agile methodology
Techincal Tools   Stata, VSCode, Jupyter Notebook, PostgreSQL, MySql, Tomcat, Adobe Premiere Pro, WordPress