Ziyi Wu

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EDUCATION

University of Southern California   **Los Angeles, CA**
Bachelor of Science in Computer Science   May 2022
Honors: USC Presidential Scholarship, Marshall School of Business Deans List – Spring 2019, Fall 2019
GPA: 3.71

SKILLS

Technical Skills:
  Proficient: C++, Java, Python, git, HTML, CSS, JavaScript, Android Studio, JSON, Jupyter, Excel, LaTeX
  Familiar: REST, SQL, JDBC, AJAX, Google Cloud Platform, Flask, MATLAB, Docker, Tensorflow

WORK EXPERIENCE

USC Intelligence and Knowledge Discovery Lab   **Los Angeles, CA**
Research Assistant   December 2019 – Present
- Wrote and documented functions to scrape relation and source sentence data from OpenIE and various riddle and puzzle websites in Python to create datasets for the development of neural networks
- Researched a method to transform a question into a statement with masked tokens in Python to generate data for training a more accurate natural language question-answering algorithm

USC Emotion and Cognition Laboratory   **Los Angeles, CA**
Research Assistant   January 2019 – January 2020
- Researched and documented literature on the effect of heart-rate variability on decision making
- Created script to process and analyze experimental data from the DigitSpan task using MATLAB

Joyin, Inc.   **Phoenix, AZ**
Sales and Operations Intern   January 2019 – August 2019
- Identified and documented standardized operating procedures for the company by writing guides for data analysis, product design, and sales processes
- Interviewed the product design and management teams to discover inefficiencies and cultural issues
- Presented recommendations to owners leading to tangible changes in organizational operation

PROJECTS

Principles of Software Development Class Project
- Created a web application to search for meals using HTML, CSS, and JavaScript
- Integrated the Google Maps and Yelp Fusion APIs for location selection and search functions
- Built a backend that uses JDBC to record user login and favorites information to a MySQL database

Music Visualizer
- Improved a C++ sine-wave generator library to create functionality needed for smooth pitch changes
- Used Android NDK and CMAKE to build a synthesizer application using the library

EXTRACURRICULAR ACTIVITIES

Google Developers Student Club USC   **Los Angeles, CA**
PR Coordinator   December 2019 – Present
- Created, documented, and set up automatic deployment through GitHub and Google Cloud Source Repositories for the USC Developer Student Club website
- Assisted with leading a Google Cloud Platform Study Jam on Google Cloud Essentials using Qwiklabs

USC Rocket Propulsion Lab   **Los Angeles , CA**
Avionics Programmer   October 2018 – Present
- Created a profiling function to determine average access time for all sensors in HAMSTER avionics unit.
- Researched and implemented a method to configure CMAKE to allow compilation for profiling with gprof on embedded code
- Designed and tested a profiling timer class to measure and print function timing information when enabled by a compile option and has no performance impact otherwise using preprocessor directives