
KAREN CHU

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RELEVANT EXPERIENCE

CONSULTANT/SOFTWARE ENGINEER, CONTAX | COSTA MESA, CA

DEC 2017 - PRESENT

- ❖ Create SAP Business Enterprise solutions by developing a Java application that manages business document files in a centralized database using RESTful services
- ❖ Improve application performance through a database redesign and restructuring of codebase
- ❖ Debug and test application to improve user experience on the front-end using JavaScript

AVIONICS MEMBER, UAV FORGE | IRVINE, CA

OCT 2015 - SEP 2016

- ❖ Collaborated with the avionics team to create an unmanned aerial vehicle that challenged the prior year's DARPA competition requirements
- ❖ Responsible for developing an automated power monitoring system and other sensors to aid in navigation and power of the UAV for the ground station

EXPRESSIVE ROBOTICS INTERN, BEALL CENTER OF ART AND TECHNOLOGY | IRVINE, CA

JUL 2014 - AUG 2014, JUL 2015 - AUG 2015

- ❖ Instructed students in the basics of the Arduino, circuitry and VEX Robotic parts and aided them in completing their code written in C

RESEARCHER, NASA/JPL ICE SYSTEM SHEET MODEL APP | IRVINE, CA

OCT 2014 - DEC 2014

- ❖ Developed a GUI in Python that simulated the progression of the Antarctic and Greenland ice sheets to recreate the effect of the increase of snow
- ❖ Allowed the user to manipulate the model to observe the effects of global warming on ice sheets

TUTOR, INFORMATION AND COMPUTER SCIENCE DEPARTMENT | IRVINE, CA

SEP 2014 - DEC 2014

- ❖ Led a class and reviewed core Python concepts to answer students' questions on labs and assignments

EDUCATION

UNIVERSITY OF CALIFORNIA, IRVINE, CA

B.S. COMPUTER SCIENCE AND ENGINEERING, 2017

SKILLS

Programming languages: Java (Advanced), Python, C/C++, MySQL, HTML, CSS, JavaScript

Frameworks: Hibernate, Jackson, Liquibase, SAPUI5

Software Applications: Git, Jira, Confluence, Visual Studio, Eclipse, IDLE, Android Studio