RUI CHEN

CONTACT

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SKILLS

- Java Proficiency
- Python Proficiency
- C Programming Skills
- Other Languages: Bash, R, and SQL

RELEVANT COURSE WORK

- CS 61A Structure & Interpretation of Computer Programs
- CS 61B Data Structures
- CS 61C Machine Structures
- CS 170 Algorithms
- CS 189 Machine Learning (In progress)
- CS162 Operating System (In progress)

EDUCATION

Bachelor of Arts : Computer Science And Applied Mathematics, 2021
University of California, Berkeley - Berkeley, CA

- Cumulative GPA 3.918

WORK HISTORY

Research Assistant, 08/2019 to Current
UC Berkeley Energy And Resource Department - Berkeley, CA

- Classified and pruned through 180 million entries of California's transportation data to analyze their carbon emissions
- Conducted statistical analysis with SQL and R to create intuitive graphics for external and internal reports
- Simulated the effect of twenty distinct environmental policies to see their outcomes

Software Engineer Intern, 06/2018 to 08/2018
Chinese Academy Of Science - Haidian, Beijing

- Collaborated with team members to create an essential program to monitor boats to ensure their safety and document their location
- Prepared thousands of test cases to debug the program to increase the accuracy and efficiency of the ship's monitoring software
- Documented the requirements of the program to identify capabilities and characteristics of the system

NOTABLE PROJECTS

Server Monitor -- an individual project with software copyrights (https://github.com/sakura6227/server_monitor)

- Created customized remote monitoring software that allows to monitor the performance of 50 servers
- Created a user-friendly graphic interface that streamlined the process of server monitoring with HTML and CSS

ACCOMPLISHMENTS

- 2017 Waterloo University Euclid Math Contest Global Top 0.1%, School 1st Place
- 2017 American Physics Bowl Global Top 50, 0.01%, School 1st Place