cunjisong.fact@gmail.com
https://younotafish.github.io/Cunji-Song.github.io/
https://www.linkedin.com/in/song-cunji-52069a163/

Cunji Song

EDUCATION

-**University of California, San Diego**
  M.S in Mechanical Engineering, GPA 3.67   Anticipated Graduation Dec 2020
-**Tianjin University (top 10 in China)**
  B.S in Mechanical Engineering, GPA 3.46   2015.9 - 2019.7
-**CS Related Courses Taken:**
   Computer Networking; Advanced Data Structure; Algorithm Design and Analysis; Principle of
   Operating System; Introduction to Computing Principles; Basis of Computer Software Techniques

SKILLS

- Proficient: Java, Python, C++, git, HTML, CSS, Unix, C
- Intermediate: SQL, Android Studio, JavaScript

RELATED EXPERIENCE

Garbage classification, Tianjin University   (April 2019)
-Won First Prize in a Campus Coding Competition by developing a website that helps users in classifying
garbage between recyclable and non-recyclable in a team
-Constructing the relational database as a part of backend with AWS services.
-Language and frameworks: AWS, Sequel Pro, SQL, JavaScript, Python, HTML, CSS, Bootstrap

On site bookstore, Tianjin University   (May 2019)
- Built an onsite bookstore in a commercial competition and won second prize.
- Use the Spring Boot to develop backend and use Javascript and JQuery to manipulate DOM object
- Language and frameworks: HTML, CSS, SQL, JavaScript, Git

Alien Invasion, Tianjin University   (May 2019)
- Initiated an Alien Invasion game which have multiple levels of difficulties and together with teammates
- Designed and implemented the mechanism with Python and Pygame library
- Language and frameworks: Python, Pygame, Git

PROJECTS

Navigation/Recommendation System, UCSD
- Find out the shortest path among two or more input locations.
- Language and frameworks: C++, A* algorithm

Social Network Model, UCSD
- Designed and implemented a social network model using relationship data from Facebook to test the "Six
Degrees of Separation data"
- Discovered certain sub-circles among the university. And used this model to recommend a friend with
special features
- Language and frameworks: C++, Meson