

Chengzhu Duan

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Education

UNIVERSITY OF CALIFORNIA, LA JOLLA, CA

- Freshman, B.S. Computer Science
- Provost Honor
- Cumulative GPA: 3.88/4.0
- Relevant Courses: CSE 11 Intro to Java, CSE 42 Robotics, CSE 12 Basic Data Structure, CSE 15L Software Tools, CSE 20 Intro to Discrete Math, ENG 10 Basic Engineering Application, CSE 30 Computer Organization and System programming, CSE 21 Mathematics for Algorithms and Systems, CSE 87 Neural Networks as Mind Models

Professional Experience

YI YUN I.T. CORP., GUANGZHOU, CHINA

Software Tester, June 2017 – September 2017

- Conduct automated and manual tests on both front end and back end of the software
- Manage costumer hierarchy in a BST format (reward distribution and level promotion)
- Daily maintenance on consumer transaction status
- Translate the entire back end and front end of the software in Mandarin and English for both laptop and mobile version

School Experience

TRITON SOFTWARE ENGINEERING

Project Developer, March 2018 – Present

- Work in a group of 3 other developers and 1 project manager with agile workflow
- Build a socializing webpage that helps people to connect and build teams for projects and upcoming hackathons
- Worked on the backend server with MongoDB and Javascript

Projects

LINGUIFEYE (team project for H.A.R.D. Hackathon)

- The project aims to give visually impaired people the opportunity of travel.
- The team made a camera that can identify text of any language and read it out loud from images and videos taken in real time.
- To make this project more useful, the team also added a translation feature that is able to translate the seen texts to any language the user wanted

FIVE-IN-A-ROW

- A 9 x 9 board game where a player win by connecting five same-colored (black or white) check in either the horizontal, vertical, or diagonal direction.
- Most components of the game are made with java GUI
- Designed an AI algorithm using minimax, so players can play against a machine

Skills

- Proficient in elementary Java, Javascript, HTML/CSS, Python, and C
- Familiar with fundamental Linux/Unix commands, Bash script, and ARM assembly language
- Bilingual in Mandarin and English
- Capable of using SolidWorks, Fusion 360, 3D Printer, Laser Cutting Machine, and soldering
- Have experiences in robotics construction and programming in (RobotC, Arduino)
- Github: <https://github.com/c3duan>
- Website: <https://c3duan.github.io/ChengzhuDuan/>