

# Gaosen Zhao

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📄 <https://cosinez.github.io/aboutme/>

## Education

### University of Waterloo

*Bachelor of Computer Science candidate,*

**Waterloo**

*2017–2021*

## Programming

- Proficiency in Racket(lisp), C
- Intermediate in C ++ and R
- Be familiar with HTML, CSS, JavaScript, Python, Latex
- Understand Data structure and basic Algorithm

## System and Software

- Microsoft Excel, PowerPoint
- Linux, Windows and Mac OS
- R studio, Xcode, Photo shop and iMoive

## Mathematics and Statistic

- Having deep understanding in Calculus, Linear algebra
- Be familiar with Probability and Statistic theory

## Experience

### Vocational.....

#### Shandong University of Finance and Economy

*Research Assistant*

**Jinan**

*06/2016–07/2016*

Participate in the statistic research about the situation of the transformation of the social tradition and city environment and sanitation in Jinan.

Detailed achievements:

- Take in charge of telephone interview(specimen collection)
  - design questions of telephone interview ;
  - interview more the 1/4 specimen independently;
- Help write research report:
  - Help statistic data, modify sentence and format

#### Shandong University of Finance and Economy

*Technical Support*

**Jinan**

*11/2016–12/2016*

Help solve technical problems in laboratory and tech students

- Help install the software used for research and statistic.

- Teach students to telephone interview with CATI (Computer-Assisted Telephone Interviewing) Software.
- Manage the survey sample and distribute the quota for students

#### Miscellaneous.....

#### High School attached to Shandong Normal

Advisor

Jinan

Guide

7/2014,7/2015,7/2016

- Answer questions about academy for new coming first year high school students as outstanding student.
- Introduce the general situation of high school and share experience of being excellent.
- Help organize and prepare the open day of high school.

#### Languages

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- English
- Chinese

#### Project

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##### Ken-Ken Puzzle.....

- Write a program that can efficiently solved any 9\*9 and 6\*6 Kenken Puzzle within 5 seconds in Racket with an optimized backtracking algorithm.

##### Dota2 Heroes Dictionary .....

- Build a instruction database for each hero in Dota2 in C
  - Each hero is an independent structure in the data base with several properties and user can such by one or more properties.
  - Implements "searching" function with binary tree data structure.
  - More specific information is shown on my github.