



# Ke Siyun (Garfield)

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## Objective

A position in the field of computer science with special interests in data analysis, also interested in practical positions related to IT assistance and/or paperwork handling.

## Education

- 2019-2023 Student of B.S. PROGRAM in **Computer Science**, University of Macau.  
GPA 3.43, Faculty of Science and Technology.  
**Area of specialisation:** Data Science and Artificial Intelligence, Multimedia Computing.
- 2020-2023 Student of MINOR PROGRAM in **Economics**, University of Macau.  
Minor GPA 3.25, Faculty of Social Science.  
Related courses: Statistic.

## Working/Training Experience

- 2021 **Summer Research Intern**, Faculty of Science and Technology, University of Macau.  
PERIOD: Jun 2021-Aug 2021.  
LANGUAGE: Python  
DETAILS: Skyline segmentation using U-Net convolutional neural networks for images taken from unmanned boat. I conducted the research under instruction and guidance of a professor assigned, generally related to verifying and evaluate performance of existed U-Net-like CNN, and explore possible pre-processing methods applicable to input images for better performance.

## Honours & Awards

- 2021 **Second Prize of Undergraduate Teams**, Contemporary Undergraduate Mathematical Contest in Modeling, China Society for Industrial and Applied Mathematics.
- 2019-2022 **Dean's Honours List**, Faculty of Science and Technology. (4 out of 5 semesters)
- 2019- **Honours College Student**, University of Macau.
- 2019- **UM Full Scholarship for Mainland Students**, University of Macau.

## Project/Competition Experience

- 2022 **Interdisciplinary Contest in Modeling, ICM**, Consortium for Mathematics and Its Applications, COMAP  
LANGUAGE/SKILL: MATLAB, Python, Statistical analysis
- 2021 **Contemporary Undergraduate Mathematical Contest in Modeling (CUMCM)**, China Society for Industrial and Applied Mathematics.  
LANGUAGE/SKILL: MATLAB, Excel
- 2019- More [tiny projects](https://github.com/garfieldw33/) like course works presented in <https://github.com/garfieldw33/>

## Key Computer Science Skills

- Beginner Java, Julia,  $\text{\LaTeX}$ , MySQL ...  
Intermediate C/C++, MATLAB, Python  
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## Other Skills

- English: CEFR-C1(IELTS-7.0, CET6-625) Language  
Chinese: Mandarin -Native, Cantonese -Fluent  
Adobe Photoshop, Acrobat, Microsoft Office ... Common software