



# Ke Siyun (Garfield)

Univ\*\*\*\*\*  
W3\*\*\*\*\* S/N  
\*\*\*\*\* Macau

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## Education

### University of Macau

B.S. PROGRAM in **Computer Science**,  
GPA 3.44/4, Faculty of Science and Technology.  
**Area of specialisation:** Data Science and Artificial Intelligence, Multimedia Computing.  
**Expected Date of Graduation:** 06/2023.

MINOR PROGRAM in **Economics**,  
Faculty of Social Science.  
**Related courses:** Statistics, Econometrics.

## Working/Training Experience

**IT-Development Intern**, The Venetian Macau, Sands China LTD.

.....PERIOD: Jun 2022.

SKILLS: E2E Test, Java Script

Gained experience of IT professionals in gaming/ tourism industry; Worked with Cypress to conduct End-to-End Tests.

**Summer Research Intern**, Faculty of Science and Technology, University of Macau.

.....PERIOD: Jun 2021-Aug 2021.

SKILLS: CNN, Python

The research involves Skyline segmentation using U-Net convolutional neural networks for images taken from unmanned boat. Conducted the research under instruction of a professor assigned, most works related to verifying and evaluating performance of existed U-Net-like CNN, and exploring possible pre-processing methods applicable to input images for better performance.

## Project/Competition Experience

**Robust OCR system for Macau Health Code**,

.....Graduation project for fulfillment of B.S. Degree

SKILLS: CNN, Image processing, Python...

**Validation of Portuguese E-health Literacy Amid the COVID-19 Pandemic: A Cross-Sectional Study on Adults in Macao SAR and Portugal**,

.....Social science (Interdisciplinary) research for fulfillment of Honours College Program

**Interdisciplinary Contest in Modeling, ICM**,

.....Consortium for Mathematics and Its Applications, COMAP

SKILLS: MATLAB, Python, Statistical analysis

**Contemporary Undergraduate Mathematical Contest in Modeling (CUMCM)** (Second Prize of Undergraduate Teams),

.....China Society for Industrial and Applied Mathematics.

SKILLS: MATLAB, Excel

More projects (course works) presented in <https://github.com/garfieldw33/>

## Honours & Awards

**Dean's Honours List**, Faculty of Science and Technology. (5 out of 6 semesters)

**Honours College Student**, University of Macau.

**UM Full Scholarship for Mainland Students**, University of Macau.

## Skills

### Key Computer Science Skills

Java, Julia, ~~LaTeX~~, MySQL ...

Neuron Networks, Image Processing (MATLAB/ OpenCV), Python, C/C++,

### Other Skills

English: CEFR-C1 (IELTS-7.0, CET6-625)

Chinese: Mandarin -Native, Cantonese -Fluent

Adobe Photoshop, Acrobat, Microsoft Office ...

Languages

Other Software