University of California, Irvine

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## *Education Background*

- **Central South University** Undergraduate Computer Science(BS.CS) 2021.09–2025.06 *(in progress)*

  **Major Core Courses:** Analysis and Design of Algorithms(A), Operating Systems(A), Computer Networks(A+), Principles of Computer Organization and Assembly Language, Database Principles, Software Engineering(A+)

  **Major Courses:** Computer Architecture(A+), Machine Learning(A), Digital Image Processing(A+), Deep Learning(A+), Computer Vision(A+), Data Warehousing and Data Mining(A+), Distributed Systems and Cloud Computing(A+), Visualization Techniques(A+), Embedded Systems(A+), Artificial Intelligence(A+), Bioinformatics(A+), Linux System and Applications(A+), C Programming, Java Programming and Application Development, Python Programming(A), Human-Computer Interaction(A+)

  **Current GPA: 3.53 (85.26/100)**

  **GPA for the Last Two Semesters: 3.8 (90.5/100)**

- **University of California, Irvine** Joint Education Student Computer Science 2024.09–2025.06 *(in progress)*

  Completing my senior year studies, research, and preparations at UCI, while planning to pursue a Ph.D. in the future.

## *Awards and Honors*

- University-level Third Prize Scholarship 2023.09
- Contemporary Undergraduate Mathematical Contest in Modeling (CUMCM) --Second Prize 2023.09
- "HuaShu Cup" China College Students' Mathematical Contest in Modeling --First Prize 2023.07
- University-level Second Prize Scholarship 2024.09

## *Research Experience*

- Central South University Data Asset Graph Research Group 2023.06–2024.05
  - Supervisor: Professor Ying Zhao
    - Exploring an efficient and accurate method to identify core data assets in data assets. *(Under Review)*
      - Title: *Data Asset Valuation on Data Lineage Graph*
- Central South University Medical Image Analysis and Computer Vision Group 2024.03–Present
  - Supervisor: Professor Rongchang Zhao
    - Developing accurate image segmentation techniques for sparsely labeled CT slice sequences, applied to predicting patient survival periods. *(in progress)*
- Yunnan University Visual and Media Computing Laboratory 2023.09–2024.08
  - Supervisor: Professor Guowu Yuan
    - Developing an enhanced YOLOv7tiny-based rapid detection model for cigarette appearance defects.
      - Title: *SCS-YOLO : A Defect Detection Model for Cigarette Appearance*
    - Developed a novel end-to-end dense object detection method based on differentiated encoding, improving deduplication capability and detection accuracy while reducing model parameters.
      - Title: *Dense Object Detection Based on De-Homogenized Queries*

## *Internship Experience*

- ByteDance Youth Training Camp, Trainee 2023.01–2023.03