

Shijie Zeng

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College of Computer Science Chengdu University

RESEARCH INTERESTS

Machine Learning (Unsupervised Learning), **Computer Vision** (Semantic Segmentation), **Causal Inference**, **Bioinformatics**

EDUCATION

Major: Software Engineering

Sep 2019 - Jun 2023

2019--2020: GPA: **90.18**/100, Ranking: **1**/513

2020--2021: GPA: **86.63**/100, Ranking: **2**/141

2021--now : GPA: **89.99**/100, Ranking: **2**/141

Highlighted Courses: Java Web Programming (97/100), C Language Programming (96/100), Object-Oriented Programming (96/100), WEB Front End Development Technology(91/100), Computer Network (91/100), Linear Algebra (91/100), Probability and Statistics(91/100), Numerical calculation method(92/100),

RESEARCH EXPERIENCE

Machine Learning

Jun 2020 - Present

- As the **first author** completed the paper ' **A Dyeing Clustering Algorithm based on Ant Colony Path-finding** ', which is currently under review.
- As the **second author** completed the paper ' **An outlier detection strategy for spatial free path-finding based on hierarchical ant colony** ', which is currently under review.

Bioinformatics

Sep 2021 - Present

- As the **first author** completed the paper ' **A Novel Prognosis Model based on Comprehensive Analysis of Pyroptosis-Related Genes in Breast Cancer** ', which is currently under review.
- As the **second author** completed the paper ' **Identification and Modeling of Necroptosis-Related Genes Associated with the Prognosis of Breast Cancer** ', which is currently under review.

Deep Learning

Jun 2021 - Present

- As the **third author** completed the paper ' **OAU-net : Outlined Attention U-net for Biomedical Image Segmentation** ', which is currently under review.

HONORS & AWARDS

The 2nd Prize of Contemporary Undergraduate Mathematical Contest in Modeling

Nov 2020

The 1st Prize of The National Professional Software Engineering "Blue Bridge Cup" Design Contest Sichuan Province.

Sep 2020

Zhang Lan honorary special scholarship (Top 1% student)

Jun 2019 - Sep 2020

Zhang Lan honorary special scholarship (Top 1% student)

Jun 2020 - Sep 2021

First-class scholarship of Computer Science College (Top 2% student)

Jun 2019 - Sep 2020

First-class scholarship of Computer Science College (Top 2% student)

Sep 2020 - Jun 2021

LEADERSHIP EXPERIENCE

Ginkgo Academic Association

Jan 2020 - Jun 2021

Founder & President

- Established an academic organization with the main idea of "science and technology, innovation, and competition". More than 10 courses and 40 academic discussions were held. More than 300 students participated in relevant activities.
- The organization now has more than 80 members

National Training Program of Innovation and Entrepreneurship for Undergraduates

Jun 2020 - Sep 2021

Team Leader

- This is an electronic seal project combined with blockchain, which solves the problem of traditional seals being stolen and engraved.
- The team has 8 people and won a fund of more than 10,000 ¥.

SKILLS & INTERESTS

- Programming Languages:** Python, R, Java, Matlab, C, C++
- Interests:** Video Editing (The videos have more than 100,000 views), Game Development (Completed the development of the game independently), baking (Best Popularity Award of school food creation festival)