



# Jiaxin Deng

Tel: 13260479736 Mail: 2532088315@qq.com Page: [jiaxindeng.xyz](http://jiaxindeng.xyz)



## Education Background

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- 2018.08-2022.06 UESTC School of Computer Science and Engineering Computer Science and Technology
- Credits: 3.99/4.00 GPA (Five Semesters): 3/254 1.2%
- CET-4: 628 CET-6: 590

## Main Courses

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- Data Structure and Algorithm(91), Digital Design and MCU System(H)(90), Linear Algebra and Space Analytic Geometry(95), Foundations of Circuits and Electronics illustrated (H)(94), The Java Programming(94), Software Engineering(94), Artificial Intelligence(92), Mathematical Analysis(97)

## Awards

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- 2020.12 UESTC "Innovation and Entrepreneurship Training Program" **Excellent Finalize**
- 2020.10 UESTC Outstanding Student Scholarship **First Prize(Three Years)**
- 2020.10 *A General Solution to A Class of Median Problems* **First Author**
- 2019.11 The 11th National College Student Mathematics Competition **Second Prize**
- 2019.05 UESTC The 29th Mathematics Competition **Second Prize**

## Research Experience

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- 2019.12~ **UESTC Center for Future Media Research Training**  
**Student:** I am mainly engaged in the study and research of Object Detection, Image Caption, and Visual Relationship Detection. Now I am mainly engaged in the field of Visual Relationship Detection under the leadership of a Ph.D. I am proficient in the use of the commonly used deep framework Pytorch, able to use the server for model training, familiar with Pycharm remote code debugging, and familiar with the construction and use of the deep learning environment. I have a better understanding of the Faster RCNN target detection model, the Visual Genome dataset, and the VRD dataset, and I am familiar with the data cleaning process of the Visual Genome dataset.
- 2019.12~2020.10 **Research of Adversarial Data Set and Offensive and Defensive Strategies**  
**Member:** Responsible for adversarial sample generation, attack performance testing, and adversarial training; We formed the adversarial dataset that meets the actual input of users.

## Practical Experience

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- 2020.06.30-2020.07.11 I participated in the development training of Huadi big data technology software, and was responsible for the crawler data collection of the flight information big data visualization platform. Through the realization of Redis distributed crawler, the flight data collection of major online platforms is completed. In the process of docking with the front-end and back-end developers of the website, it has exercised **teamwork and communication skills**.

## Other Experience

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- **Team Work:** I can lead or cooperate with the team to complete most course designs
- **Hard-working:** Although there are many difficulties and obstacles in the process of undergraduate scientific research training, I still face them bravely and accomplish the tasks on time.
- **Learning and Practical ability:** I have excellent grades in various courses during my undergraduate course, and at the same time I have a strong curiosity and learning ability to learn new things and new knowledge. I implement a five-stage pipeline MIPS processor using Vivado.