Jiaxin Deng

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Education Background

- 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 top 1.2%**
- CET-4: 628 CET-6: 590

Main Courses

- 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

- 2021.04 Mathematical Contest in Modeling **Honorable Mention**
- 2020.12 UESTC "Innovation and Entrepreneurship Training Program" **Excellent Finalize**
- 2020.10 UESTC Outstanding Student Scholarship(Two Years) **First Prize**
- 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 and Competition

- **2021.02 Mathematical Contest in Modeling**
  Member: I am mainly responsible for paper writing and using Latex for paper typesetting. In this competition, our team used Matlab, Rstudio to process and analyze the data. By consulting references, we solved the problem in an unfamiliar field. Through this competition, I have exercised my writing skills in English about scientific and technological papers, information retrieval skills in scientific and technological literature, and teamwork skills, which have benefited me a lot.
- **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 familiar with the use of the commonly used deep framework such as Pytorch, Pycharm remote code debugging, and the construction 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 form an adversarial dataset that meets the actual input of users.

Practical Experience

- 2020.06.30-2020.07.11 I participated in the development training of Huadi Big Data Technology Software Project 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 was completed. In the process of cooperating with the front-end and back-end developers of the website, my **teamwork and communication skills** were formed.

Other Experience

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