

Mohammad Shahidzade

B.Sc. student in Computer Engineering

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in [mohammad-shahidzade](#)

Education

- 2018–2023 **B.Sc. in Computer Engineering**, Shahid Bahonar University of Kerman, Iran, GPA 3.99/4.0.
- 2011–2018 **Diploma In Mathematics and Physics**, Allameh Helli High School Kerman, Iran.
Affiliated with the National Organization for the Development of Exceptional Talents (NODET)

Honors & Awards

- 2020 **First Place**, CAD Contest at ICCAD.
Winner team of problem C: GPU Accelerated Logic Re-simulation.
- 2018/19 **Bronze Medal**, ACM-ICPC Asia Tehran Regional Contest.
Rank 4 in The 2018 ICPC Asia Tehran Regional Contest. Rank 1 in Asia Tehran Internet Online Programming Contest.
- 2018–2021 **Top 3 GPA rank**, Shahid Bahonar University.
Among 120 computer engineering students.

Papers

- **Mohammad Shahidzade**, Seyed Mani Sadati, Behnam Ghavami, Zhenman Fang, and Lesley Shannon. BDFA: A Blind Data Bit-flip Attack on Deep Neural Networks.

Projects

- **GPU Accelerated Logic re-simulation**
I used C++, CUDA and verilog.
- **Fault injection on Deep learning models**
I used Python/PyTorch in this project.
- **Blind Data-Free Attack**
I used Python/Pytorch in this project.

- **Full Facial Recognition System**

I used YOLOV5 and SphereFace to do the face detection and recognition.
I also implemented a face alignment and other parts of the system using Python/Pytorch, and OpenCV.

- **Saba Programming Contest**

I was the problem designer of this contest.

Related Courses

- Algorithm Design: 20/20
- Computational Intelligence: 19.75/20
- Probabilistic and statistic: 20/20
- Natural Language Processing: 20/20
- Artificial Intelligence: 18/20
- Automated Design of Digital Circuits: 19/20

Activities

2019 **Scientific Committee**, Saba Programming Contest.
An onsite and online programming contest.

Skills

- **Programming Languages:**
C/C++, Python, C#, Octave(MATLAB), CUDA
- **Machine Learning**
Tensorflow, Pytorch, Keras
- **HDL**
VHDL, Verilog

References

- **Associate Professor Behnam Ghavam**
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