

# YAN FENG

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## EDUCATION

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**Tsinghua University**, China

Sep. 2018 - Graduating in Jun. 2021

Master of Engineering, Department of Computer Science

**Average:** 3.55/4, **Ranking:** 1%/58, **TOEFL:** 98

**Beihang University** (Beijing Univ. of Aero. & Astro.), China

Sep. 2014 - Jun. 2018

B.E. in Computer Science and Technology, Department of Computer Science

**Average:** 92.1/100, **Ranking:** 1%/223

## RESEARCH AND WORK EXPERIENCE

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**Research Group of Shutao Xia**, Tsinghua University

Jun. 2019 – Sept. 2019

- Proposed adversarial attack against deep product quantization retrieval systems
- Paper accepted to AAAI 2020 (First author)

**Research Group of Shutao Xia**, Tsinghua University

Jan. 2019 – Mar. 2019

- Proposed Hilbert-based generative defense method on adversarial examples
- Paper accepted to ICCV 2019 (Co-first author)

**Research Group of Shutao Xia**, Tsinghua University

Sep. 2018 – Jan. 2019

- Proposed a dropout regularization method based on attention mechanism for deep neural networks
- Paper accepted to ICME 2019 (Co-first author)

**Intelligent Video Group of Research Institute**, SenseTime

Nov. 2017 – Jun. 2019

- Developed and updated traffic-related algorithms like license plate recognition, monocular video vehicle speed measurement, and cross-view scene matching
- Developed the SDK for the public security monitoring system which is running steadily in Shenzhen

**Selected Coursework**

Sep. 2014 – Jun. 2018

- MIPS Compiler: Translates the source code from extended C0 grammar to MIPS
- MIPS CPU: 5-stage pipeline on RISC architecture, runs on FPGA board correctly

## HONORS AND AWARDS

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- Annual Excellent Intern Award, SenseTime (top 10%), 2018
- Excellent graduate of Beijing (top 1%), 2018
- Core Intern Award, SenseTime (top 10%), 2018
- Honorable Mention, Interdisciplinary Contest in Modeling (ICM), 2017
- 2<sup>nd</sup> prize, Blue Bridge Cup National Software Competition, 2016
- National Scholarship, 2015 and 2016
- 2<sup>nd</sup> prize, Chinese Mathematics Competition, 2015
- 1<sup>st</sup> place, Beihang Mathematics Competition, 2014