

# XIAOKE HUANG

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## EDUCATION

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**Beijing Normal University (BNU)**, Beijing, China

Sept. 2017 – Present

B.S. in Computer Science (expected June 2021)

- Major GPA: 3.90 / 4.0 (rank 1 / 50)
- Overall GPA: 3.83 / 4.0 (rank 2 / 50)
- The JingShi First Prize of BNU (2017 – 2018, 2018 – 2019)

## EXPERIENCE

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**Megvii Technology Inc. (Face++)** Beijing, China

July – Sept. 2019

Research Intern Face Recognition Group

- Implemented the *post-training quantization* algorithm on the MegEngine DL framework, boosting the quantization speed of business models
- Investigated the factors that influence the model performance after applying post-training quantization
- Participated in improving the *quantization-aware training* algorithm for the efficient models

## CONTESTS

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### Programming Contest

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| • ACM-ICPC Invitation (Jiang Su) Silver Medal      | June 2018 |
| • ICPC Asia Regional Contest Xuzhou Bronze Medal   | Nov. 2019 |
| • ICPC Asia Regional Contest Shanghai Bronze Medal | Nov. 2019 |
| • ICPC Nanchang Invitational Bronze Medal          | June 2019 |

### Mathematical Contest in Modeling

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| • China Undergraduate Mathematical Contest in Modeling First Prize in Beijing | Oct. 2019 |
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## PROJECTS

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### Deep-learning-based End-to-end Malaria Detection System

June 2019 – June 2020 (expected)

Beijing's Undergraduate Research and Training Program

- Evaluated the performance of multiple end-to-end object detectors on the task of malaria detection
- Quantized the model and deployed it on the local server
- Submitted a paper  
Xiaoke Huang, Qian Yin, Hongrui Gu, and Yongkang Li. An evaluation of modern convolutional object detectors for thin-blood-smear malaria detection. *PeerJ*, 2020 (*Under review*)

## SKILLS

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- Programming Languages: C++, C, Python, Shell, Java
- English Skills: CET-6 (**595**)

## MISCELLANEOUS

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- GitHub: <https://github.com/xk-huang>
- Blog: <https://xk-huang.github.io>
- ICPC ID: <https://icpc.baylor.edu/ICPCID/CZN2P8QV3Z2X>