# Xiaoke Huang

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## Education

**Beijing Normal University (BNU)**, Beijing, China — Sept. 2017 – Present

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

- **Major GPA**: 3.90 / 4.0 , **Overall GPA**: 3.83 / 4.0 , **Rank**: 2 / 50
- **Course Highlights**: Calculus (98), Principles of Database Systems (97.7), Discrete Mathematics (97), Data Structures (97), Principles of Computer Organization (97), Algorithm Design and Analysis (96), Compiler Theory (96)
- The JingShi First Prize of BNU (2017 — 2018, 2018 — 2019; ~10%)

## Experience

**Megvii Technology Inc. (Face++)** Beijing, China — July – Sept. 2019

Research Intern Face Recognition Group Mentor: Jin Xie

- Implemented a parallelized *post-training quantization* algorithm using MegEngine DL framework, boosting the quantization speed of server-end face recognition models
- Investigated the factors that influence the model's performance after applying post-training quantization
- Participated in improving the *quantization-aware training* algorithm for the efficient models

## Contests

**Programming Contest**

- 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**

- China Undergraduate Mathematical Contest in Modeling First Prize in Beijing — Oct. 2019

## Projects

**Deep-learning-based End-to-end Malaria Detection System** — June 2019 – June 2020 (expected)

Beijing's Undergraduate Research and Training Program Advisor: Professor Qian Yin

- 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

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

## Miscellaneous

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