# XIAOKE HUANG

## ■ xiaokehuang@foxmail.com · xk-huang

## **EDUCATION**

## 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**

## 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**

#### **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)

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

- Programming Languages: C++, C, Python, Shell, Java
- 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