# Zhuoran Yu

📞 (978) 436-1328 | ✉ zhuoranyu@gatech.edu | ⭘ ZhuoranYu | in zhuoranyu

## Education

**Georgia Institute of Technology** *Atlanta, GA*

MASTER OF SCIENCE IN COMPUTER SCIENCE *Aug 2018 - May 2020*

- GPA: 4.0/4.0

**University of Waterloo** *Waterloo, Canada*

BACHELOR OF MATHEMATICS IN COMPUTER SCIENCE AND APPLIED MATHEMATICS *Jan 2014 - June 2018*

- Graduate with Distincction, Dean's Honours List
- Arthur Beaumont Memorial Scholarship

## Skills

**Languages** Python, Java, C/C++, Matlab

**Frameworks** Pytorch, Tensorflow, Numpy, Pandas, Scikit-Learn

**Skills** Computer Vision, Deep Learning, Machine Learning

## Experience

**Sensetime** *Shenzhen, China*

RESEARCH INTERN *May. 2019 - Dec. 2019*

- Took responsibility in accelerating previous released object-detection based product *SenseKitchen*. The latest released version achieves 5 times faster real-time inference speed without sacrificing performance.
- Conduct cutting-edge research on scale variance in object detection and image classification. Analyzed unexpected behavior of batch normalization and proposed refined design of batch normalization in response to scale variance.

**Georgia Institute of Technology** *Atlanta, GA*

GRADUATE TEACHING ASSISTANT *Jan. 2020 - May. 2020*

- Conducted teaching assistantship in the course *CS 7643 Deep Learning* taught in collaboration with FAIR

**University of Waterloo** *Waterloo, ON*

UNDERGRADUATE RESEARCH ASSISTANT *May. 2017 - Dec. 2017*

- Implemented two streaming paritioning algorithms: LGD and Fennel and conducted experiments to evaluate these algorithms in response to different types of queries.

## Publications

**Scale-Equalizing Pyramid Convolution for Object Detection**

- Xinjiang Wang*, Shilong Zhang*, **Zhuoran Yu**, Litong Feng, Wei Zhang
- Conference on Computer Vision and Pattern Recognition(CVPR), Seattle, WA, 2020

**PICLean: A Probabilistic and Interactive Data Cleaning System**

- **Zhuoran Yu**, Xu Chu
- ACM SIGMOD Demo Track, Amsterdam, the Netherlands, 2019

## Manuscript

**Scale Randomization for Transferring Deep Neural Networks from Specific Scale to Universal Scales**

- **Zhuoran Yu**, Aojun Zhou, Yukun Ma, Wenxiu Sun, Ping Luo
- Under Review, European Conference on Computer Vision(ECCV) 2020