

ARTHUR(HAONAN) QIU

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OBJECTIVE

I'm Haonan Qiu, an undergraduate majoring in computer science at The Chinese University of Hong Kong, Shenzhen. I'm interested in Computer Vision and Deep Learning, particularly deep generative models (like GAN) on Image Synthesis, Super-Resolution, Style Transfer and other related applications.

To concentrate on research, I gap one year now and will go back to school next year (after summer). **Now I'm eager to find a summer research intern position.**

EDUCATION

Bachelor of Engineering in Computer Science The Chinese University of Hong Kong, Shenzhen, CGPA: 3.63/4.00, MGPA: 3.97/4.00	Aug 2015 - May 2020
Summer Transfer University of California, Berkeley, CGPA: 4.00/4.00	Jun 2017 - Aug 2017

SKILLS

Programming languages	Python, C++, R, Java, Matlab
Deep Learning Tools	Pytorch, OpenCV

PUBLICATIONS

Haonan Qiu, Xiaoguang Han, Chuan Wang, Hang Zhu, Xiangyu Zhu, Jinjin Gu. **Two-phase Hair Image Synthesis by A Self-Enhancing Generative Model**, submitted to IEEE International Conference on Computer Vision and Pattern Recognition (CVPR), 2019.

Yingxin Wei, **Haonan Qiu**, Yuanhao Liu, Jingxin Du and Man-On Pun. **Unmanned Aerial Vehicle (UAV)-Assisted Unmanned Ground Vehicle (UGV) Systems Design, Implementation and Optimization**, accepted by IEEE International Conference on Computer and Communications (ICCC), 2017.

INTERNSHIP

SenseTime Super-Resolution Group <i>Research Intern</i>	Sep 2018 - Present
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- Finish the paper 'Two-phase Hair Image Synthesis by A Self-Enhancing Generative Model'.
- Reproduce some super-resolution algorithms.
- Explore how to make full use of GAN to solve the challenge from super resolution in real scenes.

Shenzhen Research Institute of Big Data <i>Research Assistant</i>	Jan 2017 - Sep 2018
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- Paper retrieval (hundreds of papers) and presentation (main topics are GAN and related application).
- Create a new dataset. Do experiment for existing models in baseline. Design and test the new models.
- Research for Sketch2Hair. Current performance is far more than all other methods. Paper is submitted.

PROJECTS

Selfie Style Transfer Software Development <i>Algorithm Engineer</i>	Feb 2018 - May 2018
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- Transfer human face into cartoon or animal style by Neural Style and Cycle-GAN with existing methods.

Unmanned Aerial Vehicle -Assisted Unmanned Ground Vehicle Systems Jun 2017 - Dec 2017
Algorithm Engineer

- Optimize route for the unmanned ground vehicle. Correct the route with Kalman Filter.
- One paper accepted by ICCV (responsible for the algorithm part).

CUHK(SZ) Wechat Campus Card Development Jun 2017 - Oct 2017
Front-End Engineer

- Learned the Wechat mini program language and developed CUHKSZ mini program in two months.
- More than two-thirds of students were our users and won the Digital Star Award by Tencent.

Form Reader and Handwriting Characters Recognition Software Jan 2017 - May 2017
Algorithm Engineer

- Designed a form reader software which could use phone to replace scanner for Admissions Office.
- Developed some new functions about processing the data on forms automatically.

HONORS AND ACTIVITIES

Member of Dean's List	2016, 2017, 2018
Undergraduate Research Award	2016, 2017, 2018
Undergraduate Student Teaching Fellow (Teaching Assistant, 3 semesters for Python & C++ lab)	2016, 2017
Academic Performance (AP) Scholarship	2018
Tencent WeChat Campus Card "Digital Star"	2017