CHANG YINGSHAN

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EDUCATION

Hong Kong University of Science and Technology Hong Kong, Sep 2016 - Present
Bachelor of Science: Double Major in Computer Science and General Mathematics GPA: 4.07/4.3

Georgia Institute of Technology Atlanta, Jan 2019 - May 2019
Outbound Exchange GPA: 4.0/4.0

Peking University Beijing, Jul 2018
AEARU STEM Summer Camp GPA: 93/100

Beijing No.8 Middle School Beijing, Sep 2012 - Jun 2016
Experimental Classes for Gifted and Talented Children

RESEARCH EXPERIENCE

Motion Deblurring in Low-Light Scenes Using Deep Learning HKUST, Aug 2018– Present

Advisor: CHEN Qifeng

Propose an end-to-end CNN trained on a newly-collected dataset with raw video frames and ground-truth images, for the purpose of low-light video deblurring and quality enhancement.

Event-to-Sentence Using BERT in Automated Story Generation Georgia Tech, May – Aug 2019

Advisor: MARK Riedl

Proposed an event-to-sentence method based on pre-trained BERT by inserting words between event tokens.

Designed and Implemented an Editing-Writing Network consisting of a BERT encoder and an RNN decoder.

Brought insight into the extent to which pretrained unsupervised models can contribute to story generation.

Building a Blockchain and Smart Contract Application HKUST, Sep - Dec 2018

Advisor: CHEUNG Shing Chi

Implemented a smart contract based on Ethereum framework

Developed a web interface which supports functions for transaction creation, manipulation and approval.

Smart Home Solutions with Gesture Interaction HKUST, Jun - Aug 2017

Advisor: MA Xiaojuan

Built a gesture-control light that works together with a gesture sensor and a PC in a wifi-connected local network.

WORK EXPERIENCE

HKUST Student Lab Helper Hong Kong, Sep - Dec 2018
Assisted teaching and helped students complete programming assignments in lab sessions

Internship - Bank of China Software Center Beijing, Jun 2018
Audited the Developers Conference and two cloud platform trainings directed by IBM and CloudWalk.
Assisted in value analysis and revision of 46 innovation initiatives related to mobile banking service.
Assisted in proofreading and layout design of the innovation journal

HONORS

Dean's List - HKUST 2016-2019
University's Scholarship Scheme for Continuing Undergraduate Students - HKUST 2016-2018
The Hong Kong Electric Co.Ltd. Scholarship 2017-2018
Mingxi Youth Award Scheme 2017-2018

SKILLS

Languages	Chinese (native), English (fluent)
Programming	Python; C++/C; Java; JavaScript; Matlab; HTML/CSS, d3, SQL
Frameworks	PyTorch, scikit-learn, Tensorflow, Keras, Pandas, OpenCV, Matplotlib, NLTK
Software/Platforms	Visual Studio, Google Colab, Jupyter Notebook, Github, Eclipse, VirtualBox, Tableau

EXTRACURRICULAR ACTIVITIES

Community Service

Volunteering @Fung Yuen Butterfly Reserve - Tai Po Environment Association	5 hrs	Apr 2018
Teaching & Community Project, Galle - Sri Lanka Diriya Sahana Foundation	30 hrs	Jan 2018
Volunteering @Peak to Fong - Hong Kong Dog Rescue	4.5 hrs	Nov 2017
HKUST Bread Run - Feeding Hong Kong	3 hrs	Nov 2017
Blood Donation Promotion Campaign - Hong Kong Red Cross Blood Transfusion Service	3 hrs	Sep 2017
Playright Game Day - Playright Children's Play Association	7 hrs	Sep 2017
The Salvation Army Flag Day - The Salvation Army	3 hrs	Apr 2017

Student Society/Organization

Mainland Student Ambassador, URAO	Sep 2017 – Present
Minister of Wechat, Mainland Student and Scholars Society	Sep 2017 - Dec 2018
Sub-committee, Will Society	Sep 2016 - Dec 2016