


# Fangyuan (Carrie) Xu

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 carriex | carriex.github.io/me

## EDUCATION AND CAREER



### Cornell Tech (New York) - Master of Engineering

(Expected May 2020)

- Master of Engineering in Computer Science

### CUHK T Stone Robotics Institute (Hong Kong) - Research Assistant

(June 2019 - August 2019)

- Implemented  C3D with self supervised learning algorithm on video understanding using *PyTorch*
- Built  a data preprocess pipeline on video datasets with *OpenCV* and *ffmpeg*

### Morgan Stanley (Hong Kong) - Technology Associate

(December 2017 - June 2019)

- Provided production support for Morgan Stanley Electronic Trading platform and built monitoring scripts
- Completed a 15-week Technology Analyst Program, which includes a 4-week project together with three analysts, including building a REST API service with Python *Flask*, adding python module to an existing command line interface and building a Web UI with *Angular JS*; Deployed all modules to production

### Morgan Stanley (Hong Kong) - Technology Summer Analyst

(June 2016 - August 2016)

- Completed the full-stack development of a visualisation web tool using *d3.js* and *Flask* and deployed the tool to production

### IOIO Creative (Hong Kong) - Software Engineering Intern

(July 2015 - August 2015)

- Completed the full-stack development of a prototype of a multi-player killer game  using *Node.js*

### University of Hong Kong - Bachelor of Engineering

(September 2013 - June 2017)

- Major in Computer Science and minor in French (GPA: 3.73/4.3; Graduated with First Class Honour)

### Tufts University, USA - Study Abroad

(September 2015 - December 2015)

- Computer Science and French

## HONORS


Kai Chong Tong Scholarship (2014-15), Dean's Honors List of Faculty of Engineering (2013-2014, 2016-2017), Ho Fook Prize (2013-2014) and Walter Brown Memorial Prizes in Mathematics (2013-2014), CFA level 1 (2018 Dec)


## SKILLS

**Programming languages:** C++/C, CSS, HTML, Haskell, Java, JavaScript, Linux Bash Script, Perl, Python;

**Framework & libraries:** Bootstrap, D3.js, Django, Express, Flask, Node.js, PyTorch, OpenCV, Scikit-learn, socket.io, Tensorflow

## PROJECTS

**Moet Hennessey Web App**  (**Project, 2019**): Completed the full-stack development of the web interface for the demo version of a social media application, functions including user management, notification as well as an API which communicates with external programs using *Django* and *Bootstrap*.

**HKUCS Educational Data Mining Tool**  (**Final Year Project, 2016-17**): Designed and built a data mining web tool for postgraduate program admission in the Computer Science Department of the University of Hong Kong, with functions including data visualisation and admission prediction. The tool is built with *Django*, *D3.js* and *scikit-learn*.