

# I-TSUN CHENG

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itsuncheng.github.io

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## EDUCATION

B.Eng. in Computer Science

Hong Kong University of Science and Technology

Sept 2018 – June 2021

Top 10% of class, Graduating a year early, First Class Honors expected

Advanced Coursework: Fundamentals of AI, Machine Learning, Deep Learning in Computer Vision, Deep Learning in NLP, Big Data Mining and Management, Search Engines for Web and Enterprise Data, Human-Computer Interaction, Final Year Thesis

## AWARDS

- Top Writer in Artificial Intelligence, Medium
- Champion in the Dairy Farm Challenge and Top 9 Overall, Hackathon Asia 2020
- Champion, HKGCC LVMH Business Case Competition 2019
- Travel Grants for Hack the North 2019
- Pre-Incubation Funding, HK Science Park
- Top 6 Team, Exhibition Award, Student Team Award, Focus Area Award in Environment and Sustainability, HKUST Sino One Million Dollar Entrepreneurship Competition
- Travel Grants for NAACL 2019
- Dean's List (2019 Fall, 2020 Spring), HKUST
- Full University Entrance Scholarship, HKUST

## SKILLS

**Programming Languages:** Python, Java, C & C++, HTML & CSS, Javascript, VB, Arduino

**Frameworks & Tools:** Numpy, Pandas, Pytorch, Express, React, SQL, Git, Bash, LaTeX

**Areas:** Machine Learning, Deep Learning, NLP, Computer Vision, Data Science, Web Scraping, Full-Stack Web Development, Android App Development

## PROJECTS

Fake News Classification [\[report\]](#) [\[code\]](#)

Conducted Performance Analysis of Different Word Embeddings (Word2Vec, GloVe, ELMo) and Transformers (BERT, ALBERT, DistilBERT) on Fake News Detection.

Fashion Generation for Trend Prediction & Style Inspiration [\[report\]](#) [\[code\]](#)

Built a framework for generating high fashion clothing from scratch using Faster-RCNN and DCGAN, and evaluated the framework.

## PUBLICATIONS

- Playwright: Controllable Script Generation  
[Submitted to top conference, waiting for results \(co-first author\)](#)
- Learn Languages First and Then Convert: Towards Effective Simplified to Traditional Chinese Conversion  
[NAACL SRW 2019, non-archival track](#)  
Pranav A, S.F. Hui, I-Tsun Cheng, Ishaan Batra and Chiu Yik Hei
- Myers-Briggs Personality Classification and Personality-Specific Language Generation Using Pre-trained Language Models  
[ArXiv preprint \[paper\]](#) [\[code\]](#)  
Sedrick Scott Keh, I-Tsun Cheng

## EXPERIENCE

Technical Writer

Medium

Jun 2020 – Ongoing

Hong Kong

- Wrote 12+ articles on Deep Learning & NLP to share my knowledge and experiences, most published in Towards Data Science (~500k followers)
- Gained a total of 85k+ views and appointed as Top Writer in Artificial Intelligence (top 50 most influential writer on AI across the platform)

Undergraduate Researcher

Center of AI Research, Hong Kong University of Science and Technology

Jan 2020 – Ongoing

Hong Kong

- Researched with a team of PhDs on controllable movie script generation and video retrieval methods (the only undergraduate in the lab), supervised by Prof. Pascale Fung
- Developed a novel framework for controllable script generation and submitted to AAAI 2020 (co-first author)
- Currently working on my bachelor thesis: Automatic Movie Generation: Controllable Synopsis Generation and Video Retrieval

Co-Founder & CTO

Refibre

Feb 2019 – Ongoing

Hong Kong

- Led the tech team and developed prototypes of our online ecommerce platform using ReactJS and Shopify
- Competed in entrepreneurship competition, seed funding rounds, and university grants and secured \$260k+ HKD of funding

Machine Learning Intern

Dayta AI

Dec 2018 – Feb 2019

Hong Kong

- Scraped over 100K articles from 5+ online HK news sources
- Assisted in building a news paraphrasing NLP system using best-performing tokenization methods and neural networks