

# Yen-Chi Cheng

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📄 <https://yccyenchicheng.github.io/>

## Education

- 2017–Present **Master at National Taiwan University, Finance**, Taipei, Taiwan.  
GPA Overall: 4.17/4.3, CS related: 4.3/4.3  
Ranking: 5/72, ~ 7% (Currently leave of absence)
- 2017 **Summer Session at University of California, Computer Science**, Berkeley, California.  
GPA: 3.85/4.0
- 2011–2015 **Bachelor at National Taiwan University, Economics**, Taipei, Taiwan.  
GPA: 3.38/4.3

## Work Experience

- 2018–Present **National Tsing-Hua University Vision Science Lab**, Research Assistant.  
Advisor: Prof. Min Sun [🔗 link](#)
- Developed an algorithm for segmentation on medical images.
  - Working on an method for video generation.
- 2017–18 **RelaJet Co.**, Research Intern.
- Developed a method for analyzing human profiles.
  - Developed an algorithm for human sound separation.
- 2017 **National Taiwan University, Department of Finance**, Research Assistant.  
Advisor: Prof. Yan-Shing Chen  
Developed a pipeline for collecting data from a database of analysts.
- 2015–16 **Presidential Office Building**, Corporal of Military Police.  
Presidential Award; selected to Presidential Office Building.

## Selected Publications

- 2019 **Point-to-Point Video Generation**  
**Yen-Chi Cheng\***, Tsun-Hsuan Wang\*, Chieh Hubert Lin, Hwann-Tzong Chen, Min Sun  
Under review  
[🔗 paper](#) [🔗 project](#)
- 2018 **Radiotherapy Target Contouring with Convolutional Gated Graph Neural Network.**  
Chun-Hung Chao, **Yen-Chi Cheng**, Hsien-Tzu Cheng, Chi-Wen Huang, Tsung-Ying Ho, Chen-Kan Tseng, Le Lu and Min Sun  
Machine Learning for Health Workshop (**ML4H**), Neural Information Processing Systems (**NeurIPS**), 2018  
**Spotlight Presentation** (acceptance rate: 6%)  
[🔗 paper](#)

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## Selected Projects

Spring 2019 **PyTorch VideoVAE**

An implementation of VAE and RNN for video generation and future prediction.

[🔗 project](#)

Winter 2018 **PyTorch WGAN-GP-TTUR CelebA**

An implementation of WGAN with techniques for improving GAN training on CelebA dataset.

[🔗 project](#)

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## Selected Coursework

Computer **University of California, Berkeley.**

Science CS61A: Structure and Interpretation of Computer Programs, CS70: Discrete Math & Probability

**National Taiwan University.**

Data Structures and Algorithms, Algorithms, Operating System, Linear Algebra, Introduction to Computer Science.

Machine/Deep **National Taiwan University.**

Learning Machine Learning Foundation, Machine Learning Techniques.

**Coursera/Open Source Online Courses (Stanford)**

deeplearning.ai by Prof. Andrew Ng; CS231n: Convolutional Neural Networks for Visual Recognition by Prof. Fei-Fei Li

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## Skills, Certificates & Honors

Programming PyTorch, TensorFlow, Caffe, Python, C++, C, Java.

Skills

Language English: Fluent, Chinese: Native.

Test Score TOEFL: 99, TOEIC: 955.

Honors Got 1<sup>st</sup> at entrance exam for MS in Finance, NTU out of 411 candidates; Passed CFA Lv.1.