

# QUENTIN TSAI (蔡坤哲)

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**Github:** <https://github.com/q40603>

## EDUCATION

### National Chiao Tung University (NCTU)

**Hsinchu, Taiwan**

*BSc in Computer Science, expected graduation: June, 2020*

Sep 2016 – Present

- Current Cumulative GPA: 3.5/4.0
- Related courses taken: Computer Networks, Machine Learning, Financial Engineering, Parallel Programming, Network programming

## WORK EXPERIENCE

### Umbo Computer Vision

**Taipei, Taiwan**

*Software QA Engineer Intern*

Feb 2019 – Present

- Wrote test plan with python to do product software testing.
- Developed internal software tools to speed up product developing process.

### NCTU Financial Engineering lab

**Hsinchu, Taiwan**

*Research Assistant*

Jul 2018 – Present

- Assisted in the implementation of real time portfolio recommender system aiming at: detecting the structure break of stock market and developing some trading strategies.
- Developed the website using Django, Vue.js, amchart.js.

### Academia Sinica CFDA & CLIP Lab

**Taipei, Taiwan**

*Summer Intern*

Jun 2018 – Sep 2018

- Assisted in the implementation of financial report knowledge analysis system aiming at: tagging effective entities of sentence by structure prediction and visualizing results by interactive user-friendly website.
- Developed the website using Plotly.js, Semantic UI, Flask  
<https://cfda.csie.org/FRIDAYS/>

## EXTRACURRICULAR ACTIVITIES

### ITSEED 16<sup>th</sup> trainee at New Taipei City Computer Association

**Taipei, Taiwan**

*IT Team Leader*

Sep 2018 – Present

- Led the team to conduct an official website maintenance.
- Maintained the official website using Sails.js

## TECHNICAL SKILLS

### Programming related

- C, C++, Python
- SQL: MySQL, NoSQL
- Web programming: Node.js, Django, Flask, Vue.js, CSS, HTML
- AWS: EC2, S3, RDS

## PUBLICATIONS

### Conference Paper

- C.-H. Du, Y.-S. Chiang\*, K.-C. Tsai\*, L.-C. Liu, M.-F. Tsai, and C.-J. Wang. "FRIDAYS: A Financial Risk Information Detecting and Analyzing System." Presented at the 33rd AAAI Conference on Artificial Intelligence (top conference in artificial intelligence)