

Wen-Bin (Vincent) Han

STUDENT · NTHU NLP LAB

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"Make the change that you want to see in the world."

Education

National Tsing Hua University

M.S. IN COMPUTER SCIENCE

- 106-1 GPA 4.3/4.3
- Researching Natural Language Processing and Machine Learning

Hsinchu, Taiwan

Sept. 2017 - Present

National Central University

B.S. IN COMPUTER SCIENCE AND INFORMATION ENGINEERING

- Overall GPA 4.06/4.3, Major GPA: 4.09/4.3, Credits: 143
- Graduated ahead of schedule with top 6% rank and received once Academic Excellence Award
- Published "NCU IISR System for NTCIR-12 MobileClick2" on NTCIR-12, 2016

Taoyuan, Taiwan

Sept. 2013 - Jan. 2017

Work Experiences

LayerDirect Co., Ltd.

DESIGN ENGINEER

- Coordinated with two colleagues as a self-taught and self-discipline first employee in a startup pace
- Refactored redundant code with Vue.js and developed SPA web to separate server and client for better maintenance
- Incorporated UI design and enhanced the ability of problem solving on my own

Taipei, Taiwan

May 2017 - Sept. 2017

The Republic of China Army

MANDATORY MILITARY SERVICE

- Reinforced physical fitness in group life

Tainan, Taiwan

Feb. 2017 - Apr. 2017

Positive Grid Co. Ltd

FRONT-END ENGINEER, INTERN

- Solved issues and maintained application with Agile, and shortened the gap between academia and industry
- Reported progress of tasks in daily scrum and learned to detect problems rapidly
- Strengthened skills of JavaScript, AngularJS, and CSS from front-end mentors

Taipei, Taiwan

Sept. 2016 - Jan. 2017

Selected Projects

Steeve [link]

CHATBOT FOR JOB SEEKING

- Entered development phase (top 20 of 205 teams) in international competition on chatbot by AtoS
- Headed 4-member team to establish a chatbot from crawling data to modeling
- Built model by SVM or CNN/RNN and analyzed distinction between both ways
- Python, TF-IDF, SVM, CNN/RNN

AtoS IT Challenge 2018

Nov. 2017 - Present

What Does The Box Say [link]

ONLINE MULTI-PLAYER GAME

- What Does The Box Say is a piece of coursework of "Software Engineering" written in Java
- Completed a multi-player and large-scale map online game from scratch to implementation
- Accomplished UDP broadcast and examined the core logic in server

Software Engineering Course

Sept. 2016 - Jan. 2017

Sentimental Analysis on Movie Comments [link]

Prof. Julian McAuley

INTERNATIONAL SUMMER RESEARCH PROGRAM IN UNIVERSITY OF CALIFORNIA, SAN DIEGO

July 2016 - Aug. 2016

- Analyzed sentiment on movie comments by Linear Regression, contest about Natural Language Process on Kaggle
- Predicted with accuracy of 60% in using stemming and unigram vocabulary
- Conducted research in English environment and cultivated my independence and toughness
- Python, NLP, Linear Regression

Pixel Game [link]

OpenStack Application Hackathon

ONLINE MULTI-PLAYER WEB GAME

Mar. 2016 - Mar. 2016

- Awarded 2016 Taiwan OpenStack Application Hackathon Technical Recognition (top 6 of 38 teams)
- Cooperated in 6-member impromptu team to prototype an online multi-player game from brainstorming within 48 hours
- In charge of front-end, designed harmonious-colored web UI and connected server by jQuery AJAX

NCU IISR System for NTCIR-12 MobileClick2 [link]

NTCIR-12 MobileClick2

QUERY SEARCHING FOR MOBILE

Sept. 2015 - Jan. 2016

- Ranked information using word embeddings, TFIDF and Machine Learning in point-wise and pair-wise methods
- Achieved nDCG@3 accuracy of 75% by pair-wise features with LIBLINEAR SVM
- C#, TFIDF, LIBLINEAR SVM, Word2Vec

Honors & Awards

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|------|---|--------|
| 2016 | Excellence Award for Lab Study Project , National Central University | Taiwan |
| 2016 | Mr. Yin-Sheng San Memorial Award Scholarship , National Central University | Taiwan |
| 2014 | Academic Excellence Award , National Central University | Taiwan |

Extracurricular Activity

NCU Tzu Chi Collegiate Association

Tauyuan, Taiwan

PRESIDENT & VICE PRESIDENT

2014/09 - 2015/06

- Managed members in executing club courses and delegated tasks to members based on skills and interests
- Assisted president to hold the activities and handled formal documents

NCU-CSIE Summer Camp

Tauyuan, Taiwan

LEADER OF TEACHING GROUP

2014/12 - 2015/07

- Led a 6-member team to overcome stage fright and coach students steadily in size-50 class
- Instructed them to cooperate with other members to motivate students to answer questions
- Communicated with other team leaders to host the whole activity perfectly

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| 2016/10 | "Evolution!!" Akatsuki Game Hackathon , Akatsuki | Taiwan |
| 2016/04 | Big Data x Maker Hackathon , Industrial Development Bureau | Taiwan |
| 2016/03 | OpenStack Application Hackathon , OpenStack | Taiwan |

Skills

PROGRAMMING

- Java, Python, JavaScript (Vanilla, jQuery, Vue.js), Node.js, HTML, CSS
- Familiar with data modeling languages: JSON, XML

ENGLISH

- TOEIC: 895 (R: 485, L: 410), TOEFL iBT: 84
- Proficient in reading and writing English