

TE – YUAN CHEN

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EDUCATION

National Taiwan University

Master of Science in Computer-Aided Engineering Group of Civil Engineering

Taipei, Taiwan

Sep 2017 - June 2019

- **Overall GPA:** 4.05 / 4.3
- Teaching Assistant for the course Data Science for Engineering Applications
- **Program:** Neurobiology and Cognitive Science Program

National Taiwan University

Bachelor of Arts in Library and Information Science

Taipei, Taiwan

Sep 2013 - June 2017

- **Overall GPA:** 3.86 / 4.3
- **Relevant Coursework:** Game Programming, Human-computer Interaction, Prototyping Innovation and Verification, Information and Web Design, User Research and Field Exploration, Human Learning and Cognition
- Research student in **NTU Mobile HCI Lab**
- **Program:** Knowledge Management Program

GAME/VR PROJECTS

Van Gogh Escape Game in Virtual Reality

Programmer / Game Designer

Sep 2018 - Jan 2019

- Designed the story of escape game to integrate Van Gogh's paintings and stories.
- Programmed for all the detail of the game.

Offshore Wind Turbine Interactive News in Virtual Reality

Programmer / Staff

March 2018 - Dec 2018

- Simulated an interaction game that engineering ship can pile on the ocean.
- Facilitated an exhibition visited by 400 people in 3 days and collected feedback.

Library, PC Game

Programmer / Game Designer

Feb 2017 - June 2017

- Composed a script returning to the past to let people realize how essential the intellectual freedom is.
- Implemented a dialogue system in Unity.

Agricultural Game in Augmented Reality

Game Designer

Sep 2016 - Jan 2017

- Assembled and extracted the crucial knowledge of eggs and capons.
- Conceptualized two AR game details included checking health of eggs and the process of castrating.

Human and Dog, PC Game

Game Designer / Programmer

Sep 2015 - Jan 2016

- Arranged and shaped the missions in this cooperative game.
- Programmed every detail in the mission to trigger related clues for a human player or a dog player.
- Conducted a user study to research about unequal communication.

HONOR

CHI Student Game Competition

Top 3 Submission

San Jose, CA, USA

May 2016

- Created a human and dog game to investigate unequal communicative pattern by Unity.

City Wanderer Competition

First Place

Taipei, Taiwan

Dec 2014

- Competed with 70 groups to accomplish 30 challenging missions in two weeks.

WORK EXPERIENCE

Numeracy Lab

Analytical Writer/Assistant Teacher

Taipei, Taiwan

June 2016 - April 2017

- Wrote an article on numerical topic every week.
- Achieved 50,000 fan tracking on Numeracy Lab fan page.
- Taught elementary school students about math attractiveness using real life examples and materials.

LEADERSHIP

Graduate Preparation Team

Taipei, Taiwan

Chair Leader

Nov 2016 - June 2017

- Planned and Scheduled the graduate ceremony of the department participated by 200 people.
- Assigned the tasks to others and supervised the progress.

Dorm Student Association

Taipei, Taiwan

Vice President

July 2015 - June 2016

- Budgeted and reallocated the dormitory by conducting a roommates' advice survey.

NTU Orientation Camp

Taipei, Taiwan

Camp Counselor

May 2014 - Sep 2014

- Guided 80 new students to be prepared for their college lives.

VOLUNTEER WORKS

Students' Information Technology Conference

Taipei, Taiwan

Staff

Feb 2015/Feb 2016

- Operated sound control and light effect during the conference.
- Controlled the door entrance during the conference.

NTU International Student Volunteer

Taipei, Taiwan

Volunteer

Sep 2015 - Jan 2016

- Assisted a Germany student in being familiar with Chinese culture in Taiwan.

VR/AR Game Jam Camp

Taipei, Taiwan

Staff

Nov 2015

- Served as coordinator for competition teams and helped them solve general problems.

Orchid Island Service Team

Orchid Island, Taiwan

Staff

Feb 2014 - July 2014

- Instructed 15 elementary students in reading and library knowledge in Orchid Island.
- Organized and catalogued the elementary school library in Orchid Island.

PUBLICATIONS

Conference Paper

Chen, T. Y., Liu, H. C., Hsu, C. Y.(2017, November). Film language analysis in society news-A case study of The New York Times. In 2017 PNC Annual Conference and Joint Meetings. Tainan, Taiwan.

Chou, K. T., Hou, H., Shen, M., **Chen, T. Y.**, Liu, C., & Wu, P. J. (2016, May). Human and Dog: Explore the Game Design of Unequal Communicative Patterns. In Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors in Computing Systems (pp. 156-159). ACM.

Poster

Hsu, C. Y., **Chen, T. Y.**, Liu, H. C.(2017, August). Film language analysis in society news-A case study of The New York Times. Paper accepted for Poster Presentation at TAICHI'17. Tainan, Taiwan.

Chen, T.-Y., Chou, W.-Y., Hsu, C.-Y., Wong, C.-A., Kuo, C.-J. & Lin, W. (2016, August). Cue Card - Bus Availability Reminder, Paper accepted for Poster Presentation at TAICHI'16, Taipei, Taiwan.

SKILLS, ACTIVITIES, & INTERESTS

Language: Chinese, English, Japanese

Technical Skills: C++, Java, Python, R, Unity, Arduino, HTML, CSS, JavaScript

Activities: NTU Maker club, NTU Utopia Science and Technology club, Design Thinking Concert

Interests: Playing GO (1-dan), baseball