

# Yang Ching, 楊淨

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## Education

### National Cheng Kung University

M.S. AI Robotics

*Expected Graduation: June 2023*

#### | Academic GPA: 3.956/4

- **Organizations:** Data Analysis Club, NCKU Toastmasters
- **Relevant Coursework:** Program Design (C), Image Processing and Robot Vision, Image Processing and Geometric Data Analysis, Python Programming for Interactive Game Design, Deep Learning and Interaction with Chatbot
- **Scholarship:** Miin Wu School of Computing Scholarship

### National Cheng Kung University

B.S. Foreign Languages and Literature

*Graduation: June 2021*

#### | Academic GPA: 3.657/4

- **Relevant Coursework:** Introduction to Computers (C++), Data Structures (C++), Introduction to Python Programming, Introduction to Probability and Statistics in Data Science, Linear Algebra
- **Organizations:** NCKU Toastmasters, NCKU Intercultural Student Volunteer

### National Chu Pei Senior High School

#### Skills

| **Programming:** C, C++, Python, SQL, MATLAB

| **Languages:** English, Chinese

IELTS Band 6 and National Cheng Kung University Toastmasters Club

#### Experience/Projects

#### | IBM 2022 Summer Internship

*Intern*

- Acquired Data Governance knowledge and participated in Data Governance project
- Customized Data Governance chatbot to help learners and reduce learning time from 30 days to 12 hours.

#### | Legal-Tech Hackathon

*Team Member and communicator*

- Used some Natural Language Processing methods to do preprocessing, sklearn to extract features and 7 Machine Learning Models to measure result accuracy
- Combined previous data and result with Line Chatbot to provide users while facing sexual assault legal problems and its mean ROC AUC Score (Random Forest) is about 86%
- Cooperated with different departments professors and students (Electric Engineer, Statics, Foreign Languages and Literature, and Law)

#### | Python Programming for Interactive Game Design

*Team Member*

- Used Pygame and Object-Oriented programming concepts to design a shooting game
- Displayed result in class hackathon with poster and promotional video

#### | Biomimicry Design Challenge

*Team Member and communicator*

- Designed air filter mimicking menta ray, participated in the association global training with students from six departments (due to COVID-19, we did not have chance to train in USA)
- Won Finalist Achievement

## Writing

### | Nov. 2020: Phonetic development and canonical babbling ratio in children with high risk of cerebral palsy: Comparison of children who differ in the severity:

We use recorder to record children's sounds and conducted with Praat with the worldbet system and calculated with Canonical Babbling Ratio to analyze and may be a suitable predictor of speech and language disorders.