

Jie-Ying (Jay) Lee

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EDUCATION

- National Yang Ming Chiao Tung University** Hsinchu, Taiwan
B.S. in Computer Science; GPA: 4.21/4.3 *July 2021 - Present*
Courses: Data Structures and Object-oriented Programming, Introduction to A.I., Introduction to Computer Networking, Computer Vision for UAV Autopilot, Competitive Programming I, Theory of Computer Games, Probability, Introduction to Algorithm, Introduction to Database System, System Administration

SKILLS SUMMARY

- Languages:** Python, C/C++, PHP, Javascripts, Bash, SQL
- Frameworks:** PyTorch, Scikit, NLTK, Django, Laravel, Flask
- Tools:** Kubernetes, Docker, Git
- Platforms:** Linux, Web, GCP, Arduino

EXPERIENCES

- IT Center of Department of Computer Science, NYCU**
Teaching Assistant of WWW and System Group *July 2022 - Present*
- PCS Lab**
Research Assistant *July 2021 - Present*
Lab is led by Yi-Bing, Lin.

PROJECTS

- Camp Management System (Vue.js, Nuxt.js, Vuetify.js, Python, Django):** Final project of introduction to database system. Using Nuxt and Vuetify to create a modern-look frontend. Also use Django as backend to create a RESTful API server. [Link](#) (Jan. 2023)
- AccountingTGBot (Python, Firebase, CI/CD, Heroku):** A simple accounting bot that allows users to record expenses via the Telegram application. [Link](#) (Jun. 2022)
- pix2pix-terrain-generator (Python, GAN, Unity, Web Development):** Using height maps and satellite images to train a GAN model that can be used to generate a realistic terrain model. I also develop a web client and a Unity client to make model can be used more easily. [Link](#) (Jul. 2020)
- UbikeAnywhereBot (Python, API, Crawler):** A telegram chat bot that can plan the route. After users tell our bot the destination, this bot can automatically find the nearest available Ubike station and give users the route to the return station. [Link](#) (Jul. 2019)

AWARDS

- Marconix Award of 19th Marconix Science Award:** Top award in Marconix Science Award. The only recipient within 6 years.
- Second Place in 60th National Primary and High School Science Fair:** Awarded the best work at the 60th national science fair (The first place is absent) out of 8 all participants who are the first place from every region.
- Fourth Prize in 2021 Taiwan International Science Fair:** Be awarded the fourth prize out of 21 participants from world.
- Academic Achievements Award in 2021 Fall Semester:** Top 5 % in the class.
- Fundamental Course Award of Discrete Mathematics:** First place out of 92 students. Total score: 99/100. The final grade ranking in 5% can get the award.
- Fundamental Course Award of Data Structures & Object-oriented Programming:** First place out of 88 students. Total score: 99/100. The final grade ranking in 5% can get the award.
- Fundamental Course Award of Digital Circuit Design:** Second place out of 121 students. Total score: 99/100. The final grade ranking in 5% can get the award.

EXTRACURRICULAR ACTIVITIES

- **NYCU Taoyaun Association**
President *July 2022 - Present*
Led 60 members from various of departments in NYCU to organized welcoming camp, campus tour for over 50 students from Taoyaun, Yunlin and Chiayi.
- **NYCU CS Badminton Team**
Vice Team Captain *July 2022 - Present*
In charge of practicing and leading the team to participate various competitions.
- **SITCON 2022 Agenda Committee**
Member *Mar. 2022 - Sep. 2022*
Organized events and review agendas at SITCON (the largest student information conference in East Asia). I also responsible for organizing the forum that discusses the problem of information education in Taiwan.
- **Wu-Ling High School Information Study Group**
Co-founder, Leader and Lecturer *Sep. 2019 - Jul. 2021*
Found the study group in the second year of high school. Teaching over 60 students basic C++, data structure and algorithms, also holding programming competitions to encourage learning.