

# Yu-Tai Chen | Kevin Chen

Software engineer • Computer Science Major and Game Design Certificate • University of Wisconsin Madison

✉ kevchen1129@gmail.com • ☎ 608-338-7561

<https://yu-taichen.com>

## Education

### University of Wisconsin Madison

2017 September – 2022 May

*Bachelor of Science: Computer Science Major*

*Certificate: Game Design*

## Professional Experience

### Family Mart Head Office

Taipei, Taiwan

*Software System Engineer Intern*

*February – July 2021*

- Digitalized the traditional company management system from a paperwork to digital media medium, utilizing Agent flow to implement cutting-edge technology for more efficient and effective workflow.
- Customized the user interface form of each department, allowing the choice of multiple departments or employees without issues for seamless day-to-day operations and use by 50 employees.
- Supervised end-to-end flow from employee to manager of each digital form, proactively examining integrated systems to ensure 0% permission conflict for expedited functions and marginalized errors.
- Generated the Emergency Product Modification Form and Product Quality Assurance form, consolidating key documentation to verbally communicate product updates for operational transparency across 2021.

### Delta Mobile System

Schaumburg, IL

*Software Engineer Intern*

*June – July 2019*

- Foresaw potential to streamline operational procedures, improving the Automatic Recognition System for “trainHOG”, an open-source AI algorithm use to detect pedestrians
- Created 500+ samples of human recognition for the radar sensor, compared 100 negative and 100 positive samples, and implemented op cv
- Developed fundamental rules for trainHOG in C++, leveraging technical expertise to enable flexibility for determining either positive or negative samples during active employment.

### PricewaterhouseCoopers (PwC)

Taipei, Taiwan

*Assistant – Risk Assurance Team*

*June - July 2018*

- Analyzed data of balance sheets and income statements of financial holding companies, consistently utilized a keen eye for attention to detail to investigate both quantitative and qualitative data to derive key insights
- Updated the new law enforcement threshold of finance-to-finance holding companies for strict compliance.
- Mapped out strategies to establish recovery/resolution plans to safeguard finance holding companies.
- Utilized comprehensive knowledge of Microsoft Excel to calculate asset liquidity under pressure tests to simulate economic crises, astutely extrapolating invaluable findings throughout 2018.

## Projects

### ONLI side project iOS and Android Version for Long Distance Relationship app

*Coding team head*

Android Studio/Flutter

- Worked closely with a team of 4 marketing members, 4 design members, and 4 coding members, acting as the Coding team head to spearhead departmental functions and execute apt cross-functional collaboration
- Cultivated a more enjoyable and diverse user experience, integrating the feature for couples to add their favorite place on a bucket list and calculate distance between places through a customized Google Map API
- Employed software such as Android Studio and Flutter to design a couple to-do list with reward base updates that are synchronous across both their accounts e.g., a task is set for one of the partners to work out 3 times per week, if completed,

then they can view the reward (free bubble tea) set by the other partner.

- Innovated the ability of the app to calculate the distance between 2 people, have special events, and a countdown system of meeting times implemented throughout the year as a reminder.
- Advanced the available features of the application, allowing login/sign ups, match-pairing, chats, phone calls, photo management, and memorandum for 2 people to edit simultaneously.

### **Dane County Human Society Android App Version**

*Project Manager*

Android Studio/Flutter

- Adapted a pet system and lost pet function, having 5 rules of filter searching for faster operations
- Prevented data loss from the lost and adopt animal database by implementing a firebase for storage.
- Implemented firebase to store and retrieve data from lost and adopt animal database
- the Android application version to consist of functions such as user login/sign up, edit profile, settings, notification, calendar with events, and basic information about DCHS
- Established an admin version with all permission to add/edit/delete events or pets from the database

## **Additional Credentials**

---

<b>Coding Language</b>	Flutter / Android Studio / Java / Android Studio / HTML / CSS / JavaScript / C++ / Python / Git / Linux
<b>Languages</b>	English / Mandarin
<b>Honors &amp; Awards</b>	Carbon Madhacks Hackathon People's Choice Award – University of Wisconsin Madison (2019)
<b>Computer Science Course Taken</b>	Data Structure and Algorithm/ Discrete Math/ Database System/ Software Engineer/ Human Computer Interaction/ Machine Organization and Programming/ Mobile System Development /Computer Graphics
<b>Volunteerism</b>	International Volunteering at Philippines' Hitoma <ul style="list-style-type: none"><li>• Teach elementary students English</li><li>• Pile rocks to build flood defenses</li></ul>