Yu-Tai Chen | Kevin Chen

Software engineering • Computer Science Major and • University of Wisconsin Madison

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Education

University of Wisconsin Madison   **2017 September – 2021 December**
Bachelor of Science: Computer Science Major

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 Humane Society Android App Version

Project Manager   Android Studio/Flutter

- Paralleled the original web version of the application
- 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, fill lost pet form, and basic information about DCHS
- Established an admin version with all permission to add/edit/delete events or pets from the database

Additional Credentials

Coding Language	Flutter / Android Studio / Java / Android Studio / HTML / CSS / JavaScript / C++ / Python / Git / Linux
Languages	English / Mandarin
Honors & Awards	Carbon Madhacks Hackathon People's Choice Award – University of Wisconsin Madison (2019)
Computer Science Course Taken	Data Structure and Algorithm/ Discrete Math/ Database System/ Software Engineer/ Human Computer Interaction/ Machine Organization and Programming/ Mobile System Development /Computer Graphics