## YA-TING YANG

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**EDUCATION**

**University of Maryland, College Park Sep 2022 - May 2024 (Expected)**

*Master of Information Management, GPA: 3.8/4.0 College Park, MD*

**Coursework:** Web Development, Database Design, Data Science, Machine Learning, Natural Language Processing, Cloud Security

**Fu Jen Catholic University Sep 2013- Jun 2017**

*Bachelor of Arts in Advertising & Public Relations, GPA: 3.3/4.0 Taiwan*

**WORK EXPERIENCE**

**University of Maryland, College of Information Studies Sep 2023 - Present**

*Teaching Assistant (Object-Oriented Programming for Information Science, Python) College Park, MD*

* Led object-oriented programming in Python workshops, guiding students on understanding fundamental concepts.
* Conducted 300+ code reviews utilizing peer programming techniques to ensure students produced well-structured Python code, enhancing readability and adherence to best practices.

**Tagnology Feb 2022 - Feb 2023**

*Front-End Engineer Taiwan (Remote)*

* Developed the frontend for 5 web applications, using JavaScript, React.js, Node.js, and Next.js within an Agile framework, creating 4 new sub-products that diversified the product suite for marketing technologies.
* Led the front-end engineering of a blockchain marketplace with JavaScript, React.js, Node.js, Redux, Ethers.js, and Web3 technologies, initiating the company's successful entry into the blockchain market.
* Created an interactive canvas feature for product customization, enhancing the user interface of the e-commerce platform Next.js's server-side rendering, optimizing SEO and cutting page load times from 4s to 2.5s.
* Implemented a multilingual, information-centric blockchain website with React.js, Next.js, and Material-UI; integrated i18next for dynamic translation, establishing it as a key resource for industry insights and enhancing user engagement.
* Built a B2B portal to bridge brands with influencers using React.js, broadening the service range and deepening the integration of the company's adtech capabilities.

**Tagnology Aug 2021 - Feb 2022**

*Front-End Engineer Intern Taiwan (Remote)*

* Developed an Instagram chatbot flow builder using JavaScript, React.js, and Node.js, with a responsive node-based UI for cross-device compatibility, automating marketing event interactions and enhancing marketing efficiency.
* Boosted average query execution speeds from 200ms to 100ms by resolving 60+ issues, including memory leaks and asynchronous execution errors, and refactored 3000+ lines of code to enhance maintainability.

**PROJECTS**

**UMD Virtual Marketplace Platform Sep 2022 – Dec 2022**

* Designed and implemented a responsive web application using JavaScript, React.js, and Node.js for the frontend and Flask with MySQL for the backend.
* Served as the front-end engineer in an Agile team of 4, collaborating with the back-end engineer on RESTful API development and database integration.

**Nutrition Tracking & Image Recognition App (Google 2021 Solution Challenge) Jan 2021 – Mar 2021**

* Built a Kotlin-based Android application for diet tracking using Android Studio IDE, with a macro and calorie counting function leveraging the MVVM design pattern, as an App Developer in a team of 5.
* Implemented image recognition using Firebase ML Kit APIs to enable automatic detection/identification of food items.

**Career Services Business Intelligence Database Mar 2023 – May 2023**

* Designed and developed MySQL database schema for the Office of Career Services, transforming data management by replacing Excel-based reporting with a solution that enhances data modeling for faster retrieval and analysis.

**SKILLS**

**Languages:** Java, JavaScript, HTML/CSS, SQL, Python, R, Kotlin

**Frameworks/Libraries:** React, Next.js, Express, Redux, Material-UI, Ethers.js, Flask

**Tools/Technologies:** Node.js, ECMAScript 6, MySQL, AWS, GCP, Azure, Git, GitHub, Visual Studio Code, Postman, Figma, PyCharm, Firebase ML Kit, Android Studio IDE

**Other:** REST API, Agile Methodology, Front-End Development, Blockchain Solutions, Web3 Technologies

**Certifications:** Algorithm Labs (National Taiwan University, Nov 2021), Java Programming (National Taiwan University, Aug 2021), Full Stack Web Development Bootcamp Program (Alpha Camp, Jan 2021)