Yi-Ching Chen
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🔗 **Portfolio-1** 🔗 **Portfolio-2** 🔗 **GitHub**

⚛ WEB DEVELOPMENT SKILLS

- **Front-end:** Javascript, HTML, CSS, Sass/SCSS, React.js, Vue.js, RWD, Axios, Data Visualization tools, CSS-in-JS
- **Back-end:** Node.js, Express.js, Handlebars, Mongoose (with MongoDB), Sequelize ORM, MySQL, Python
- **Others:** Electron.js, Git to version control, RESTful API, Postman, Figma

💼 EXPERIENCE

CYTENA BPS Co., Ltd.   Taipei, Taiwan
— A biotechnology company that manufactures micro-bioreactors to streamline early cell line development

Software Engineer   Mar 2022 - Present

- Develop desktop apps using Electron.js for firmware communication, and React.js for the front-end UI for 2 types of micro-bioreactor instruments. Implement functionalities such as instrument control, real-time monitoring, and data analysis.
- Contribute to product planning by evaluating implementation feasibility. Lead system and workflow design for new features, creating prototypes for PoC initiatives. Complete multiple projects, such as receiving data remotely via a WiFi connection for data redundancy, developing engineering tools for the technical support team, and more.
- Optimize system performance by introducing new technical approaches and refining algorithms. Achieve a 5x increase in communication speed between software and firmware, reduce bug reports by 80%, and enhance memory usage, enabling the system to handle 4x the amount of data for experiment analysis.

Alpha Camp Co., Ltd.   Taipei, Taiwan

(Intern) Teaching Assistant of Foundation Course of Web Development Program   Aug 2021 - Jul 2022

- Provided remote mentoring and code reviews to novice students to strengthen their proficiency in HTML/CSS and JavaScript. Guided around 30 students per semester to achieve their learning goals and successfully graduate.
- Assisted in curriculum development, collaborating with instructors to refine educational materials to meet the needs of diverse learners. Contributed insights that aligns with industry best practices and emerging trends.

ACTi Corporation   Taipei, Taiwan
— An IP video surveillance solution provider, covering all the way from security to business intelligence solutions

Assistant Manager at Solution Integration and Service Department   Oct 2020 - May 2021

- Managed and led Project Management team to achieve company goals. Developed SOPs and execution guidelines, resulting in a 20% reduction in service/product delivery and payment collection periods in Q1, 2021.
- Defined cross-department work protocols, optimized the solution planning workflow and service delivery process, and increased bid-winning rates by 20%.

Project Manager   Nov 2018 - Oct 2020

- Led the development of customized surveillance intelligence solutions, ensuring teams working on desktop app, IP cameras, NVR/CMS servers, and AI algorithms could collaborate smoothly and fulfill tasks on time with high quality.
- Project reference: Blacklist face recognition system at Japan malls, business intelligence system at Singapore retail
- Supported new product development by facilitating POC, and collecting feedback to enhance the product.

Hitachi Chemical Energy Technology Co., Ltd.   Taipei, Taiwan
— A global leader in Valve-Regulated Lead-Acid batteries whose products are utilized in industrial energy storage systems

Project Management Coordinator at Product Department   Nov 2017 - Oct 2018

- Monitored and coordinated new product development progress at the early mass production pilot stage.
- Assisted in product change evaluation, product lifecycle management, and the optimization of the production process.

🎓 EDUCATION

Alpha Camp   Taipei, Taiwan
Full Stack Web Development Program (Specialized in Front-end)   May 2021 - Jan 2022

National Tsing Hua University   Hsinchu, Taiwan
Master of Science in Biotechnology   Sep 2015 - Aug 2017
Bachelor of Science in Chemical Engineering   Sep 2011 - Jul 2015