Adrienne Soliven

Web Developer & User Researcher

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EMPLOYMENT

Advanced Software Engineer   Jun. 2022 - Sept. 2024
Neurelli | neurelli.com | New Taipei, TW

- Created the real-time web application with **React.js & Flask** of "SafeHands", a hand detection safety system in an edge device that is currently used by Panasonic. Reduced setup time from a day to **30 minutes**, and won 1st at AI+ Day 2022.
- Developed the whole **React.js** frontend and portions of the **Flask** backend web application for "Manufacturing Pilot", an AI manufacturing assistant, and won the **NT$500,000** top prize at AI+ Day 2023.
- Spearheaded **React.js** frontend development and contributed to **Flask** backend enhancements of NU-LPR101, a license plate recognition web application in an edge device. Optimized for real-time responses in various scenarios, achieving a reduction in CPU and memory usage by **40%** and **35-40%**, respectively.
- Designed all the high-fidelity prototypes and mockups in the company using **Figma**. Established comprehensive usability testing guidelines, resulting in twice the user insights compared to a previous project.

Human Factors Researcher   Jan. 2019 - Mar. 2019
Qairos | qairos.asia | Manila, PH

- Made robust design recommendations by performing user analysis, quantitative & qualitative computation, improving clarity and user satisfaction for diverse clients, including KitKat. Enhanced usability and interface design by identifying major problems found in web and mobile applications through skin testing, wireframe testing, and product auditing.

SOFTWARE PROJECTS

Akads PH | bworldonline.com/entreprenews   **React.js, MaterialUI, Usability Testing**
Lead Frontend Developer & Lead UX Researcher | *peak 1000+ visits | 50+ users*

- Developed key features of an all-in-one online tutoring platform, including landing, tutor payouts, tutor requests, application form, and credit store pages.
- Created and moderated a comprehensive remote usability testing plan, analyzed results, and compiled a report with actionable recommendations. Identified usability issues, leading to substantial improvements in user experience.

AnimoSched | adriennesoliven.com/#/AnimoSched   **React.js, MaterialUI, Usability Testing, Figma**
Frontend Developer & Lead UX Researcher | *115+ participants*

- Created a semi-automatic scheduling system for students, reducing schedule creation time by **43.21%**.
- Developed four key pages of the 'AnimoSched' website, focusing on schedule display and input field structure. Led the project's user-centric design through creation and implementation of user tests, interviews, and subsequent analysis.

BBDO Guerrero & RCBC (Rizal Commercial Banking Corporation) | rcbc.com   **Usability Testing**
UX Researcher | *7000+ visits*

- Improved user experience for a major bank's website by identifying and mitigating various usability risks, leading to strategic design recommendations. Assumed a key role by conducting 40% of the usability tests.

EDUCATION

National Taiwan University of Science & Technology 國立臺灣科技大學 **|** M.S. Computer Science   Feb. 2021 - Jan. 2022
Published in Pattern Recognition Letters 2023 | ConCoNet: Class-Agnostic Counting with Positive and Negative Exemplars

De La Salle University | B.S. Computer Science & Master's Ladderized Program   Aug. 2016 - Oct. 2020
Published in Conference on Human Factors in Computing Systems 2021 | Using Boolean Satisfiability Solvers to Help Reduce Cognitive Load and Improve Decision Making when Creating Common Academic Schedules

CERTIFICATIONS

(UI/UX) Interaction Design Foundation Certification - The Practical Guide to Usability, Conducting Usability Testing | Google & Coursera - Foundations of User Experience Design **(Coding)** Codecademy - JavaScript, React, TypeScript, Responsive Design

SKILLS

(proficient): React.js, Javascript, Python, Flask, SemanticUI, MaterialUI, Figma, Ubuntu**|(familiar):** Node.js, Typescript, Django