

# Adrienne Soliven

## Web Developer

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### EMPLOYMENT

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#### Advanced Software Engineer

Jun. 13, 2022 - Present

Neurelli | [neurelli.com](https://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**. Compiled comprehensive testing guidelines for usability testing, which helped double user findings compared to a previous project.

#### Human Factors Researcher

Jan. 2019 - Mar. 2019

Qairos | [qairos.asia](https://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

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Akads PH | [akadsph.com](https://akadsph.com)

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](https://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](https://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

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National Taiwan University of Science and Technology

M.S. Computer Science

2021 - 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

2016 - 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

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[UI/UX] Interaction Design Foundation Certification - [The Practical Guide to Usability](#), [Conducting Usability Testing](#) | Google & Coursera - [Foundations of User Experience Design](#) [Programming] Codecademy - [JavaScript](#), [React](#), & [TypeScript](#) Courses

### SKILLS

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