JOSHUA MANZANO

@ josh@akadsph.com   ⚲ Taipei, Taiwan   ⌂ github.com/joshmanzano   ⚲ manzano.tech

EXPERIENCE

Founder, Full-Stack Web Developer @ Akads
AWS Cloud, React, Django, Python, REST

📅 Dec 2020 – Present   ⚲ akadsph.com

- Founded and headed the development team for Akads, a Philippine startup company, which is a all-in-one online tutoring platform.
- Managed and coded both React.js frontend and Django REST backend API and corresponding interactions.
- Handled external API interactions such as Google, Zoom, PayMongo, and Brankas API interactions.

Full-Stack Web Developer @ CHED
Kepler.gl, React, Django, Python, REST

📅 Jan 2020 – Dec 2021

- Commission on Higher Education (CHED) is a Philippine government agency in charge with promoting relevant and quality higher education.
- Maintained and created new features for a React-based transport desirability web application.
- Created a Web API based on Django REST framework for handling data manipulation and storage.

Software Developer @ DLSU DSI
Flask, Python, REST

📅 Dec 2020 – April 2021   ⚲ dlsudatasci.github.io/covidapp

- De La Salle University Data Science Institute (DLSU DSI) is an academic organization focused on analyzing and using data to create solutions.
- Implemented the backend of a COVID-19 vaccine allocation system built on Python and the web framework Flask.

SKILLS

- AWS EC2, S3, Lightsail, Elastic Beanstalk
- Django, Flask, React.js, and Node.js
- Machine Learning and Computer Vision
- Pytorch, Scipy, Pandas, Numpy
- BeautifulSoup, Matplotlib, Seaborn
- LaTeX, Python, C++, Java
- HTML, CSS, Javascript
- Git and GitHub
- Debian-based Linux Systems
- Bash Scripting and Vim
- Dvorak Keyboard Layout
- Microsoft Windows Systems

HOBBIES AND INTERESTS

- Proficient in playing an acoustic or electric guitar
- Adept in blitz and bullet chess
- Reading psychology books
- Learning languages and uncommon skills

EDUCATION

M.S. Computer Science
National Taiwan University of Science and Technology

📅 2021 – 2022   ⚲ Taiwan

M.S. Computer Science
De La Salle University

📅 2020 – 2022   ⚲ Philippines

International Exchange Student
Tokyo Institute of Technology

📅 2018 – 2019   ⚲ Japan

B.S. Computer Science
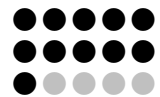**De La Salle University**

📅 2016 – 2020   ⚲ Philippines

LANGUAGES

English   ●●●●●
Filipino   ●●●●●
Japanese   ●○○○○

PUBLICATIONS

1. **Manzano, J. C.**, Soliven, A. F. O., Llamas, A. M. B., Tinsay, S. M. V., Samson, B. P. V., Cabredo, R. A. (2021, May). Using Boolean Satisfiability Solvers to Help Reduce Cognitive Load and Improve Decision Making when Creating Common Academic Schedules. In Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (pp. 1-13).

2. Tapia, J. F. D., **Manzano, J.**, Ona, I. B., Chua, U. (2021). Development of a Web-based Application for Optimal Allocation of COVID-19 Vaccine. Chemical Engineering Transactions, 88, 553-558.

REFERENCES

1. **Dr. Briane Samson**
   Chair and Assistant Professor, De La Salle University
   @ briane.samson@dlsu.edu.ph

2. **Dr. Daniel Tan**
   Postdoctoral Researcher, Academia Sinica
   @ danieltan@citi.sinica.edu.tw