

PAOLO MIGUEL BARRERA ATO

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Taipei, Taiwan

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WORK EXPERIENCE

Quality Assurance Engineer @ Akads

Quality Assurance, Automation Testing, Cypress

2021 – 2022

Manila, Philippines

Akads

- Conducted in-depth testing on various use cases for a React.js-based front end web application. Developed robust testing scripts using Cypress to create an end-to-end testing framework for test automation of the website.
- Akads is a Philippine startup company which is focused on building an online tutoring platform.

Python Developer (Offsite Team) @ COMET-Nuworks Project

Python, Data Science, User Research

2019

Manila, Philippines

- Tasked in developing software using Python to interpret and present brain signals inputted from an EEG device. Our goal was to understand how to model products that appeal to human emotions using the brain signals.
- Our team also performed user research to observe the participant so that we can better understand the correlation between the behavior of people and their brain signals.

Automation Quality Assurance Tester @ Infor

Automation Testing, Selenium, Robot Framework, MySQL

2019

Manila, Philippines

- Improved software automation scripts using the automated testing framework, Selenium. Accomplished all weekly refactor tickets assigned in a timely manner and performed rigorous software regression testing.

PROJECTS

FireflyX: Designing Interactions for a Mobile Musical Learning Tool for Children

Swift, Firebase, HCI, User Research

2019-2020

Manila, Philippines

FireflyX

- As team leader for our undergraduate thesis project, we designed and developed a mobile application using Swift that helps children learn music in a playful manner.

Database System for Jul's Garments Enterprise

Web Development, Node.js, MongoDB, Heroku

2018

Manila, Philippines

- As the lead web developer on a team, I spearheaded developing an online database and database access system that allowed clients to manage assets. End result was very well received.

EDUCATION

M.S. Computer Science

National Taiwan University of Science and Technology (NTUST)

2021 – 2022

Taipei, Taiwan

M.S. Computer Science

De La Salle University (DLSU)

2020 – 2022

Manila, Philippines

B.S. Computer Science

De La Salle University (DLSU)

2016 – 2020

Manila, Philippines

SKILLS

- Python, Java, C, GitHub, LaTeX, Swift, Pytorch, Numpy, MySQL, MongoDB, Scrum/Agile
- HTML, CSS, JavaScript, Django, Node.js
- Selenium, Robot Framework, Cypress
- Friendly, Sociable, Team-player, Flexible, Adaptable, Hardworking, Self-motivated

EXTRA-CURRICULARS

- Undergraduate Research Assistant:** DLSU (COMET) Center for Complexity and Emerging Technologies (2019-2020)
- Masters Student Research Assistant:** NTUST Multimedia and Visual Computing Laboratory (2021-2022)

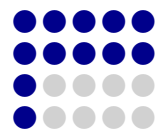
LANGUAGES

English

Filipino

Japanese

Chinese



SEMINARS ATTENDED

- GitHub Workshop** (March 2018): De La Salle University - Manila, Philippines
- Machine Learning Summer School 2021** (August 2021): Taipei, Taiwan

HOBBIES

- Sports, Hiking, Music, Computers, Learning languages, Astronomy, Photography, Reading

REFERENCES

References are available upon request