

Jane Arleth L. dela Cruz

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SUMMARY

Young and passionate researcher currently taking a Master's degree focused in Electronics Engineering from Ateneo de Manila University. Currently working on disaster science and crisis informatics and its applications to communities. Engaged in social innovative ideas and collaborative research.

EDUCATION

Ateneo de Manila University

MS Electronics Engineering (August 2017 - Present)

Department of Science and Technology - Engineering Research and Development for Technology Scholarship

Ateneo de Manila University

BS Electronics and Communications Engineering (2012- 2017)

Fr. Thomas B. Cannon Scholarship for Southern Leyte

Ateneo College Scholarship

Thesis Title: *"Design and Development of Decision Support Using Near Cloud for Disaster Risk Management and Risk Reduction"*

Saint Joseph College, Maasin City - High School (2008-2012)

Class Valedictorian

Saint Joseph College Scholarship for Academic Excellence

WORK-RELATED EXPERIENCE

Ateneo Innovation Center

Research Assistant (August 2016- Present)

- As a Research Assistant, did experiments for AIC and attend meetings about innovation
- Part of Research Group on *"Multi-platform ICT Decision Support System UAVs , Vehicle Hubs, Ubiquitous Computing for Disaster Risk Reduction"*
- Part of ongoing research on Near Cloud Deployment as Mesh Network for Disaster Management and Risk Reduction
- Part of ongoing research project on UAVs for Agricultural and Disaster Applications
- Part of ongoing research collaboration on Biomedical Informatics in Laparoscopic Surgical Training

Career Hunter Recruitment Solutions

IT Trainee/Intern (June-July 2016)

- As an Intern, self-taught AngularJS, PHP, PostgreSQL
- Did back-end web development; handled and led group of interns in an HR Solutions web application.

Ateneo Residence Halls

Dorm Assistant (2013-2017)

- Worked as one of the assistants in the Ateneo Residence Halls, answering calls and inquiries about the dorm; assisted in office works as well.

Ateneo Department of Electronics, Computer, and Communications Engineering

Student Assistant (2014-2017)

- Worked as one of the assistants doing clerical work and teaching assistance.

AWARDS AND CONFERENCES ATTENDED

Asia-Pacific Telecommunity International Workshop on Disaster Response Model Using Vehicle Communication (July 12-14, 2017 at Batangas, Philippines)

4th Young ICT Leaders' Forum (Sept 27 - 29 , 2017 at Busan Metropolitan City)

- YILF Fellowship Recipient

Busan Global Smart Cities Challenge (Sept. 27-28, 2017 at Busan Metropolitan City)

- Conceptual Idea: *"Ligtas: Mobile Cloud Solutions - Making Smart Cities Disaster Ready"*
- Winner (BGSCC Award - National IT Promotion Agency)

Google Developer Group Devfest 2017 Philippines (October 14, 2017)

Asia-Pacific Telecommunity Wrap-Up Meeting on Project: Disaster Response Model Using Vehicle Communication (November 9-11, 2017 at Tokyo, Japan)

PUBLICATION

"Demonstrations of Post-Disaster Resilient Communications and Decision-Support Platform with UAVs, Ground Teams and Vehicles using Delay-Tolerant Information Networks on Sub-GHz Frequencies"

Co- Author, IEEE Global Humanitarian Technology Conference 2017

MEMBERSHIPS

Ateneo Electronics and Computer Engineering Society

Member (2012-2017)

ECE Batch Representative (2013-2014)

Ateneo Table Tennis Varsity Team

Member (2012-Present)

Team Captain (2017- Present)

Institute of Electronics and Communications Engineers of the Philippines

Member (2015-Present)

TECHNICAL SKILLS AND LANGUAGES

Programming Languages: C++, Python, Matlab.

Web Development: AngularJS, PHP, PostgreSQL

Computer Aided Design/Engineering: AutoCAD, SolidWorks, Arduino, Multisim

Others: Linux OS (Ubuntu, Raspbian), BASH

English - native language

Filipino - native language

Cebuano - native language

German - speak, read and write with basic competency

REFERENCES

Gregory Tangonan, Ph.D.

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