Marlon I. Tayag

Full-Time University Instructor
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Skill Matrix

Server Management |Programming |Project management | Compliance | Communication | Leadership

Area of Specialization

Networking	Network Security	Server Management
Internet of Things	IoT Security	Mobile App Development (Flutter)
Software Development	Web Development	Ethical Hacking
(C#, Python, .Net)	(PHP)	Penetration Testing

Career Detail

Dean, School of Computing – Holy Angel University   **May 2023 - Present**

Main Duties:

- Leadership and Strategic Planning
- Faculty and Staff Management
- Curriculum Oversight and Development
- Budget Management
- Student Success and Advocacy

IT Program Chairperson, School of Computing – Holy Angel University   **December 2022 – May 2023**

- Program Oversight and Development
- Faculty Management
- Student Support and Advising
- Resource Allocation and Budget Management
- Community and Industry Relations

CICT Holy Angel University – **Full-time Faculty**   **June 2017 – December 2022**

- Main Duties:
- Handles and teaches Cisco Networking subjects
- Handles and teaches programming subjects.
- Prepares and delivers lectures and conducts discussion groups.
- Organize and administers examinations, reports and research works
- Provides lessons and consultative services to students
- Attends classes regularly and promptly at the assigned official schedules and classes
- Observes and abides by all existing rules, regulations, policies of the system governing employment.

Graduate School Holy Angel University – **Guest Lecturer**   **June 2017 – Present**

Main Duties:

- Handles and teaches Cyber Security subjects on Ethical Hacking and Forensic
- Provides lectures and consultative services to students

The Future University, Khartoum, Sudan– **Lecturer**   **December 2016 – June 2017**
Main Duties:

- Taught MBA and MIS subject focussing on IT integrations
- Prepares and delivers laboratory exercises for Programming, Data Files and
  Object Structures using Android App Development

Graduate School Baliuag University, Bulacan – **Lecturer**   **June 2015– March 2016**

Main Duties:

- Taught MSIS students on Advanced OS with final output mini-OS using Visual Studio C#
- Develop lab exercises for Network Security using VM and Kali Linux

Systems Plus College Foundation Angeles City – **MIS Director**   **August 2011– November 2016**
Main Duties:

- Oversees an MIS department management
- Prepares annual budget and IT infrastructure development and implementation
- Handles Campus++ management
- Monitor and implements network security with the help of the Net Admin
- Prepares and delivers IT Training to teaching and non-teaching staffs

Systems Plus College Foundation Angeles City – **Part-Time Faculty**   **November 2011– November 2016**

Main Duties:

- Taught network security and OOP subject
- Develop lab exercises for Network Security using VM and Kali Linux
- Taught Apple iOS and Android app development

Professional Development

Training	Location / Online	Date
Learning MatLab	LinkedIn Learning	March 8, 2021
NRCP Regional Basic Research Caravan	DOST National Research Council of the Philippines	February 3, 2021
Data Privacy Protection	DICT Cluster II	November 2-6, 2020
Risk Management for IT and Cybersecurity Manager	LinkedIn Learning	November 6, 2020
Introduction to Malware Threats	Trend Micro	October 22, 2020
Larevel Pocket Webinar	CICT - Holy Angel University	October 15, 2020
Symbol Blockchain Webinar	CICT - Holy Angel University	May 7, 2020
CCNA CyberOps 210-250 (SECFND) + Kali Linux Hacking	Udemy Online Course	February 10, 2019

Discover Web Application Security Issues Using Burp Proxy	Udemy Online Course	January 27, 2019
Implementing Cisco Collaboration Devices	CICT - Holy Angel University	May 4 and5, 2018
Amazon Web Services(AWS) Certified 2019 Training	Udemy Online Course	December 18, 2018
PCAP: Programming Essentials in Python	CICT - Holy Angel University	October 19, 2018
IoT Fundamentals: IoT Security	Cisco Networking Academy	September 16, 2018
JISSA Gen Assembly 2018 –SSL: Secure, Share, Learn	Makati City	February 24, 2018
CCNA Cyber Security Operations	Cisco Networking Academy	February 2, 2018
Programming with Machine Learning	CICT - Holy Angel University	May 8-9,2018
Leadership Challenge Cyber Security	CICT - Holy Angel University	November 4, 2017
ROOTCON 11 – Humans meet IoT	Tagaytay	September 22, 2017

Resource Speaker / Trainor on the following Seminars-Workshop

Training	Location	Date
8th ICT Research Congress: International Edition, Peer reviewer	University of Makati	December 28, 2020
1st Regional Conference on Cyber Security- RISE, Peer reviewer	CICT - Holy Angel University	March 27, 2019
Application Development: Introduction to Flutter	CICT - Holy Angel University	March 12, 2019
CITCS 4th IT Summit – Data Security	Alabang, Muntinlupa, City	December 4, 2018
Human Computer Interaction using Kinect	CICT - Holy Angel University	March 26. 2018
Education Week 2017 – Data Privacy	Capas, Tarlac	December 4, 2017
1st DeptEd Regional ICT Summit	San Fernando, Pampanga	November 10, 2017
The Next Big Thing: Internet Challenge	CICT - Holy Angel University	September 25,2017
Advanced Networking: Internet with VOIP	DHVTSU	January 25, 2016
Ethical Hacking and Network Security	Guagua National Colleges, Bulwagan Alumni	September 6, 2013
Cyber Crime	Systems Plus College Foundation, Balibago Angeles	February 15, 2013
Open Source Gesture-Based Control Using MS Kinect	Systems Plus College Foundation, Balibago Angeles City	September 15, 2012
Network Security Penetration And Testing	Systems Plus College Foundation, Balibago Angeles City	March 2, 2012

Education and Qualifications	

Academic Year Graduated	School / University
2018 – Present	Technological Institute of the Philippines Metro Manila **PhD Computer Science** **Finished academic subjects 18 units** **Dissertation Topic: IoT Security**

2013 – 2015	St. Linus University Tarlac **Doctor in Information Technology (DIT)**
2003 – 2009	Systems Plus College Foundation Balibago, Angeles City **Master in Information Technology**
1990 – 1994	Harvardian Colleges City of San Fernando **Bachelor of Arts in Commerce (Business Management)**

COMPETENCIES / INDUSTRY CERTIFICATION

Certification	Date Certified
Certified Blockchain Practitioner	May 20,2023
Certified Ethical Hacker (Practical) EC-Council	February 20, 2022
Apple Teacher Certification	March 14, 2021
MCP Microsoft Azure Fundamentals	March 31, 2021
ISO/IEC 27001 Information Security Associate	March 14, 2021
MTA Microsoft Security Fundamentals	March 16, 2021
AWS Certified Cloud Practitioner	January 19, 2021
Cyber Security Foundation CertiProf	January 1, 2021
eLearn Security Junior Penetration Tester	October 5, 2020
Digital Educator Level 1	October 10, 2020
ICSI CNSS Certified Network Security Specialist	April 30, 2020
Qualys Certified Specialist – Vulnerability Management	March 29, 2020
Network Security Associate Fortinet – NSE2	March 25, 2020
Network Security Associate Fortinet – NSE1	March 24, 2020
Microsoft Certified Educator	May 2018
Apple Certified Instructor	January 2014
Office Specialist PowerPoint 2010	October 20,2012
Microsoft Office Specialist Excel 2010	October 18,2012
Microsoft Office Specialist Word 2010	October 19, 2012
NC-IV, Computer Programming	March 24,2012
CCNA –Cisco Certified Network Associate	Nov. 16, 2009
CCAI –Cisco Certified Academic Instructor	February 1, 2010
Fluke CCTTA – Certified Cabling Test Technician	December 3, 2008
NC-Level II, Computer Hardware and Servicing	September 15, 2007

RESEARCH PUBLICATION / PRESENTATION

Title	Journal
Smart Motorcycle Helmet: Real-Time Crash Detection With Emergency Notification, Tracker ,and Anti-Theft System Using Internet-of-Things Cloud-Based Technology	International Journal of Computer Science & Information Technology (IJCSIT) Vol 11, No 3, June 2019 https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3432327
IoT Security: Penetration Testing of White-label Cloud-based IoT Camera Compromising Personal Data Privacy	International Journal of Computer Science & Information Technology (IJCSIT) Vol 12, No 5, October 2020 https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3732009

Compromising Systems: Implementing Hacking Phases	International Journal of Computer Science & Information Technology (IJCSIT) Vol 11, No 2, April 2019 https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3391093
Perceptions of Grade VII Pupils: Tablet PC as a Replacement for Mathematics Textbook	https://www.academia.edu/download/31576372/Perceptions_of_Grade_VII_Pupils_-_Tablet_PC_as_a_Replacement_for_Mathematics_Textbook(2).pdf
Leap Motion Controller Enabled Simulations of Personal Computer Assembly Programs	ICSIM 2021: 2021 The 4th International Conference on Software Engineering and Information ManagementJanuary 2021 Pages 17–21https://doi.org/10.1145/3451471.3451474 Note: Index under Scopus
Faculty's perceived readiness, technical competencies, and challenges in online teaching-learning environment	International Journal of Research Studies in Education 2021 Volume 10 Number 14, 61-70
Assesssment of HAU Cyber Range: Cyber Security Laboratory Learning Platform	Best Paper Best Presenter International Research Conference on Information Technology Education (IRCITE 2022) Research Collaboration: An Innovative Global Response Towards A Resilient and Sustainable I.T. Education Apr 22, 2022
An Enhancement of PRESENT Cipher Algorithm Using Dynamic Character Position Function Mapping (DCPFM)	Best Presenter Philippine Society of Information Technology Educators (PSITE) 18th National Conference on Information Technology Education (NCITE 2020) October 30, 2020