

PATRISIA SHERRYL SANTOSO

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EDUCATION

National Chiao Tung University, Taiwan

Graduated: August 2016

Master of Science in EECS with concentration in AI (computer vision)

GPA: 90.24%

- NCTU International Scholarship for Outstanding Student, Fall 2014 – Fall 2016
- Chung Hwa Telecom Scholarship, Fall 2015 – Fall 2016

Institut Teknologi Sepuluh Nopember, Indonesia

Graduated: March 2014

Bachelor of Engineering in Industrial Engineer

GPA: 85%

- Super Semar Scholarship, Fall 2013 - Spring 2014

EXPERIENCE

Ericsson

Taiwan

AI/Automation Solutions Lead

Sep 2024 – Present

- Own RAN AI/Automation strategy & pre-sales for FarEastone Taiwan; define customer KPIs
- Engage customers in pre-sales & delivery to ensure solution-market fit
- Design RAN AI/Automation roadmap & use cases

AI Delivery Lead

Apr 2021 – Sep 2024

- Led an AI delivery team to improve strategy, software development, and customer-focused solutions.
- Delivered two AI-Deep Learning based automated issue classifier for RAN cells across Taiwan's network.
- Increased operational efficiency by 300% by integrating issue classification, RCA, and recommendations

Global Tech Talent

Oct 2023 – June 2024

- As AI talent collaborating with a cross-functional and developed "Camera as a service" – a real-time vision AI for edge devices.

AI Engineer

Apr 2018 – Apr 2021

- Researched and developed automation-based RAN optimization solution tools on customer demand
- Collaborated with the team to develop AI for RAN optimization concept and achieved NT\$ 157M contract for 5 years with the biggest operator in Japan.

Industrial Technology Research Institute

Taiwan

Associate Researcher

Sep 2016 – Mar 2018

- Research and analyze on AI Vision (Deep Learning) for Autonomous Driving Car
- Develop automation scripts using Python, Shell Scripts and C++
- Developed a real-time fast car stop-line detector with 91.5% accuracy

Pivothead

Taiwan

Computer Vision Engineer Intern

Apr 2016 – Aug 2016

- Develop Computer Vision Applications on smart wearable device
- Created 4 new application features: Color Detection, QR Scanner, Text Recognition & Translator

SKILLS

- AI/ML: Deep learning (Scikit-learn, TensorFlow, Keras), MLOps, LLM APIs
- Programming Languages: Python, Shell Script, HTML & CSS, MATLAB, C++
- Leadership: Stakeholder alignment, roadmap ownership, KPI Tracking
- Languages: Indonesian (Native), English (Professional fluency–TOEIC 935), Chinese (Intermediate–TOCFL 3)

PUBLICATIONS

1. **P. S. Santoso** and H. Hang, "Learning-based human detection applied to RGB-D images," 2017 IEEE International Conference on Image Processing (ICIP), 2017, pp. 3365-3369, doi: 10.1109/ICIP.2017.8296906.
2. C. Lin, **P. S. Santoso**, S. Chen, H. Lin and S. Lai, "Fast Vehicle Detector for Autonomous Driving," 2017 IEEE International Conference on Computer Vision Workshops (ICCVW), 2017, pp. 222-229, doi: 10.1109/ICCVW.2017.35.
3. G. Lin*, **P. S. Santoso***, C. Lin, C. Tsai and J. Guo, "Stop line detection and distance measurement for road intersection based on deep learning neural network," 2017 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC), 2017, pp. 692-695, doi: 10.1109/APSIPA.2017.8282121.
4. G. Lin*, **P. S. Santoso***, C. Lin, C. Tsai and J. Guo, "One Stage Detection Network with an Auxiliary Classifier for Real-Time Road Marks Detection," 2018 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC), 2018, pp. 1379-1382, doi: 10.23919/APSIPA.2018.8659601.
5. C. Lin, S. Chen, **P. S. Santoso**, H. Lin and S. Lai, "Real-Time Single-Stage Vehicle Detector Optimized by Multi-Stage Image-Based Online Hard Example Mining," in IEEE Transactions on Vehicular Technology, vol. 69, no. 2, pp. 1505-1518, Feb. 2020, doi: 10.1109/TVT.2019.2961625.

LEADERSHIP & ACTIVITIES

Ericsson, Taiwan

1. **Ericsson Taiwan Welfare Committee** *Apr 2020 – Sep 2021*
2. **Ericsson Woman Mentorship Program - Mentee** *Apr 2022 – Dec 2022*
3. **Ericsson Taiwan Shadowing Program - Shadowee Head of Networks** *Sep 2022 – June 2023*
 - Shadowing Ericsson Taiwan's Head of Networks for Business strategy and planning, Business story telling & presentation skills, Data-driven decision making.
4. **Ericsson Global Tech Talent** *Sep 2024 – Dec 2024*
 - As a mentor, guiding the team to tackle real-world human rights challenges.
5. **Ericsson MNEA Hackathon – Committee** *Sep 2024 – Dec 2024*
 - Part of the judging team that evaluates participants' submissions for the LLM Chatbot
6. **Ericsson Ericsson Core Team - Engagement Lead** *Oct 2024 – Present*
 - Driving community initiatives
7. **Ericsson MNEA Networks Rising Star – Evolving Talents** *Feb 2025 – Oct 2025*
 - Selected as 1 of 40 high-potential talents from 400+ Rising Star participants across MNEA Networks.
 - Received one-on-one mentorship and participated in advanced career development programs.

National Chiao Tung University, Taiwan

1. **Hsinchu Indonesian Student Association**
 - Social and Culture Division Committee – **Created 4 new events** *Sep 2014 – Jun 2015*
 - Treasurer – **Increased organization cash by 30%** *Jul 2015 – Jun 2016*
2. **Talk Club: Active Member** – Met & mingled with people from different countries *Feb 2016 – May 2017*