

Curriculum Vitae

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Candy Olivia Mawalim

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EDUCATION

- Japan Advanced Institute of Science and Technology (JAIST)** *Oct. 2019 – Mar. 2022*
School of Information Science (Doctoral degree)
Topic : Content and privacy protection methods for secure speech communication and its applications
Advisor : Prof. Masashi Unoki
- Japan Advanced Institute of Science and Technology (JAIST)** *Oct. 2017 – Sept. 2019*
School of Information Science (M.S.)
Thesis : Study on audio information hiding based on cochlear delay characteristics
Advisor : Prof. Masashi Unoki
- Institut Teknologi Bandung (ITB) – Indonesia** *Aug. 2013 – Jul. 2017*
Bachelor of Science (B.Sc.)
Thesis : Study on Indonesian–Korean statistical machine translation
Advisor : Dessi Puji Lestari, Ph.D.
- Sekolah Menengah Atas Swasta Methodist 5 Medan** *Graduated May 2013*
Natural Science Degree

RESEARCH INTERESTS

Speech Information Hiding, Voice Privacy, Social Signal Processing, Machine Learning

WORK EXPERIENCE

- Assistant Professor, JAIST** *Apr. 2022 – present*
Social Signal Interaction Group
- Data Scientist (Part-time), Kazee Indonesia** *Apr. 2017 – Jul. 2017*
PT. Digital Utama Adikarya, Bandung, Indonesia
Research on social media analytics
- Software Engineering Intern, PT. Akhdani Reka Solusi** *May. 2016 – Jun. 2016*
Full-stack web development project

RESEARCH/TEACHING EXPERIENCE

- Research Fellow DC1, Japan Society for the Promotion of Science (JSPS)** *Apr. 2020 – Mar. 2022*
Project: Audio information hiding based on human auditory characteristics related to phase modulation
Funding: Special Grants-in-Aid for Scientific Research (20J20580)
- Teaching Assistant, JAIST** *Dec. 2020 – Feb. 2021*
Course: Human perceptual systems and its models

Laboratory Assistant at Unoki Lab., JAIST	<i>Oct. 2017 – Mar. 2020</i>
Project: Speech information hiding, speaker anonymization	
Research Internship at Acoustic Information Science Lab., JAIST	<i>Jan. 2017 – Mar. 2017</i>
Project: Audio watermarking based on phase modulation using gammatone filterbank	
Research Internship at Data Mining Lab., POSTECH (Korea)	<i>Jul. 2016</i>
Project: Recommendation system	
Graphics and Artificial Intelligence Laboratory Assistant, ITB	<i>Aug. 2014 – Jul. 2017</i>
<ul style="list-style-type: none"> Teaching assistant for ‘Computer Graphics’, ‘Artificial Intelligence’, ‘Geometry Algebra’, ‘Logic of Informatics’ course Participating in laboratory projects 	
PT Inti Automatic Speech Recognition (ASR) Project Member, ITB	<i>Dec. 2015 – Jul. 2016</i>
Project : (Lexicon Division) Grapheme to phoneme conversion, text normalization in Bahasa, news vocabulary aggregator	

ACTIVITIES AND MEMBERSHIPS

JAIST Student Council (Vice President)	<i>Sep. 2018 – Mar. 2022</i>
The Acoustical Society of Japan (ASJ)	<i>Mar. 2018 – present</i>
Informatics Student Association, ITB	<i>2014 – 2017</i>
<ul style="list-style-type: none"> Technical Division Staff (2016 – 2017) Secretary Staff (2015 – 2016) Technical Division Staff (2014 – 2015) 	
Indonesia Olympiad Team in Informatics – ITB Branch	<i>2013 – 2017</i>
The members of organization consist of Informatics Olympiad Alumni. We provide committee works for National Preparation for IOI (International Olympiad in Informatics).	
<ul style="list-style-type: none"> Secretary – Treasury Division Staff, Informatics National Camp (2013 – 2015) Informatics Olympiad Alumni Camp Coordinator (2014) 	
North Sumatera Representative in National Science Olympiad	
Mathematics (2013), Physics (2010)	

AWARDS AND FELLOWSHIPS

Research Fellowship for Young Scientists DC1 (JSPS)	<i>Apr. 2020 – Mar. 2022</i>
Student Outstanding Performance Award	<i>Sep. 2019</i>
Master program in JAIST	
Best Paper Award	<i>Jul. 2019</i>
11 th International Conference on Social Computing and Social Media	
Student Paper Award	<i>Mar. 2019</i>
2019 RISP International Workshop on Nonlinear Circuits, Communications and Signal Processing	
Mitani Scholarship	<i>Apr. 2018 – Sep. 2019</i>
Monbukagakusho Honors Scholarship	<i>Oct. 2017 – Mar. 2018</i>
ASEAN – Maybank Scholarship	<i>Aug. 2013 – Jul. 2017</i>

LANGUAGE ABILITIES

Bahasa Indonesia (native), Medanese Hokkien (native), English (fluent), Japanese (JLPT N1), Chinese (HSK 4 級考試)