




Curriculum vitae

PERSONAL INFORMATION



Septian Indra Wicaksana

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Sex Male | Date of birth 16/9/1997 | Nationality Indonesian

WORK EXPERIENCE

2016–Present Mid & High School Private teacher

Self-employed, Surabaya (Indonesia)

2016–Present Graphic designer

Self-employed, Surabaya (Indonesia)

2017–2019 Assistant lecturer

Universitas Airlangga, Surabaya (Indonesia)

- course : Digital Electronics
- course : Biomedical Computation
- course : Biomedical Signal Analysis

12/2017–01/2018 Biomedical engineer

RSUD Dr. Soetomo, Surabaya (Indonesia)

College internship program

EDUCATION AND TRAINING

2019 Bachelor of Engineering in Biomedical Engineering

Universitas Airlangga, Surabaya (Indonesia)

- GPA : 3.1

Topic : Implementation of Kalman Filter for Reducing Power Line Interference Noise In Electrocardiograf Using Microcontroller

2018 Student Exchange & Research Program

Universiti Teknologi Malaysia, Johor (Malaysia)

24/08/2015 ESQ Leadership Training

ESQ Leadership Center, Surabaya (Indonesia)

26/08/2015–27/08/2015 Life Mapping Training

MHMMMD, Surabaya (Indonesia)

PERSONAL SKILLS

Mother tongue(s) Indonesian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

- Confident, articulate, and professional speaking abilities
- Excellent presentation and negotiation skills
- Good at Clarifying and Summarising

Organisational / managerial skills

- Good organisational skills gained as Chief of Department's Management of Competition, Biomedical Engineering Students Association 2018
- Able to lead others in high-demand situations
- Able to work as a team
- Excellent analytical skills with the ability to analyze situations accurately and effectively

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

- High knowledge of the computer MS Office (Word, Powerpoint, Excel)
- High knowledge to operate Matlab
- High knowledge to operate Labview
- Good user of video editing software (Adobe Premier & After Effect)
- Good user of graphic design applications (Adobe Photoshop & Illustrator)
- Good user of Fusion 360 (3D Design Application & Simulation)

ADDITIONAL INFORMATION

Projects

- Auto-focus System for Optical Microscope based on Entropy Value *Developed auto-focus control system based on image analysis by calculating entropy value for optical microscopy*
- 3D Reconstruction of Mandible *Reconstruct 3D Model of Mandible from 2D CT Scan Mandible Images*
- Post Stroke Rehabilitation Exoskeleton *Developed Post-Stroke Rehabilitation Exoskeleton system*
- Breast Cancer Grade Classification *Designed and Developed a Convolutional Neural Network's (CNN) Architecture for Breast Cancer Grade Classification*
- Fingerprint Classification *Designed and Developed a Convolutional Neural Network's (CNN) Architecture for Fingerprint Classification*

Publications

- Post-Stroke Rehabilitation Exoskeleton Movement Control using EMG Signal

Honours and awards

- Grant funded for Student Scientific Week 2019 from Ministry of Research, Technology and Higher Education Indonesia

Organizations

- Biomedical Engineering Student Association
- Urang Bandung Universitas Airlangga

Committee

- Seminar Nasional dan Kuis Fisika
2015 : Staff, Division of Security and Documents Service
- Dekan Cup FST
2016 : Staf Kesehatan
- Program Perkenalan dan Kebersamaan Mahasiswa Baru
2016 : Chief, Division of Documents Service
2017 : Staff, Event Division
- Study Excursive dan Kunjungan Industri
2017 : Chief, Division of Sponsorship
- Sciencesation Tech
2016 : Staff, Event Division
- Kuliah Tamu dan Mahasiswa Bersuara
2016 : Staff, Event Division
2017 : Vice Chairman
- Science Technology Event
2017 : Staff, Division of Public Relationship
- IbM Rancan Bangun Alat Terapi Gerak Penderita Stroke sebagai Pengembangan Technopreneurship Alat Kesehatan bagi Siswa SMK
2017 : Instructor
- Campus Life 2018
2018 : Instructor
- Infectious Diseases, Biothreats, and Military Medicine
2019 : Staff, Scientific Division

Seminars

- Infectious Diseases, Biothreats, and Military Medicine 2019
- Facing Industrial Revolution 4.0 Engineers
- Basic and Scientific Application for Enhancing The Quality of Life
- Being Leader Towards AEC (Asean Economic Community) with Innovative and Practice Science for Identifying Indonesia's Natural Resources
- Guest Lecture "Data Mining, Artificial Intelligence, Artificial Neural Network" with Seiichi Ozawa from Kobe University
- Guest Lecture "Gait Cycle" with Jan P.K. Halbertsma from University Medical Center Groningen
- Guest Lecture "Biomedical Image Processing" with Geoff Dougherty from California State University