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| Europass  Curriculum Vitae | |  | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Personal information | |  | | | | | | | | | | | | |
| First name(s) / Surname(s) | | Cahyana | | | | | | | | | | | | |
| Address(es) | | Jl. Rd. Kosasih No. 15 Rt. 001/011, Cibogel, Kec. Ciomas, Bogor, West Java 16610 Indonesia | | | | | | | | | | | | |
| Telephone(s) | | +62 251 8485 004 | | | | | Mobile: | | | | +62 813 10 931168 | | | |
| Fax(es) | | - | | | | | | | | | | | | |
| E-mail | | [cahyana@tass.telkomuniversity.ac.id](mailto:cahyana@tass.telkomuniversity.ac.id); [cahyanayana@telkomuniversity.ac.id](mailto:cahyanayana@telkomuniversity.ac.id) | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Nationality | | Indonesian | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Date of birth | | 11.07.1978 | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Gender | | Female | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Work experience | |  | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Dates | | April 2014 onwards | | | | | | | | | | | | |
| Occupation or position held | | Lecturer | | | | | | | | | | | | |
| Main activities and responsibilities | | Teaching computer application, algorithm and data structure  Supervise students‘ final project  Do community service  Do administrative tasks  Do some researches | | | | | | | | | | | | |
| Name and address of employer | | D3 Teknik Informatika (Vocational program in informatics engineering)  School of Applied Science, Telkom University  Jl. Telekomunikasi No.1, Terusan Buah Batu Bandung 40257 Indonesia | | | | | | | | | | | | |
| Type of business or sector | | Education | | | | | | | | | | | | |
| Dates | | August 2007 – March 2014 | | | | | | | | | | | | |
| Occupation or position held | | Part time lecturer | | | | | | | | | | | | |
| Main activities and responsibilities | | Teaching computer application, database and data structure  Supervise students‘final project | | | | | | | | | | | | |
| Name and address of employer | | Diploma Program of Bogor Agricultural University  Jl. Kumbang No. 14, Bogor, West Java 16151  Indonesia | | | | | | | | | | | | |
| Type of business or sector | | Education | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Dates | | August 2004 – March 2014 | | | | | | | | | | | | |
| Occupation or position held | | Freelance teacher | | | | | | | | | | | | |
| Main activities and responsibilities | | Teaching English to high school student | | | | | | | | | | | | |
| Name and address of employer | | Bintang Pelajar Study Course  Jl. Polisi I No. 6, Bogor, West Java Indonesia | | | | | | | | | | | | |
| Type of business or sector | | Education | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Education and training | |  | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Dates | | 2005-2007 | | | | | | | | | | | | |
| Title of qualification awarded | | Master of Science in Computer Science | | | | | | | | | | | | |
| Principal subjects/occupational skills covered | | * Computer Science   Operating System, Computer Organization System, Algorithm Analysis and Design, Software Engineering   * Topics in Image Processing * Topics in Numeric Computation | | | | | | | | | | | | |
| Name and type of organisation providing education and training | | University of Indonesia  Faculty of Computer Science  Depok Campus  Depok, West Java 16424  Indonesia | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Dates | | 1996-2002 | | | | | | | | | | | | |
| Title of qualification awarded | | Bachelor of Engineering | | | | | | | | | | | | |
| Principal subjects/occupational skills covered | | General   * Indonesian language, English language, religious study, citizenship study * Science study (physics, mathematics)   Occupational   * Basic electric (basic of energy conversion,electrical circuit, basic electrical power engineering) * Telecommunication subjects (basic telecommunication, four pole networks, data communication) * Control and electronic subjects (basic control system, control system, basics of electronic, digital electronic, signal processing system, optimal control system) | | | | | | | | | | | | |
| Name and type of organisation providing education and training | | Hasanuddin University  Dept of Electrical Engineering  Jl. Perintis Kemerdekaan Km. 10, Tamalanrea  Makassar, South Sulawesi 90245 Indonesia | | | | | | | | | | | | |
| Dates | | Dec 2020 – March 2021 | | | | | | | | | | | | |
| Title of qualification awarded | | Certificate of Completion, AI Programming with Python Nanodegree | | | | | | | | | | | | |
| Principal subjects/occupational skills covered | | * Introduction to Python (data types and operators, control flow, functions, scripting, classes) * Anaconda, Jupyter Notebook, NumPy, Pandas, and Matplotlib (Anaconda, Jupyter Notebooks, NumPy basics, Pandas basic, Matplotlib basics) * Linear Algebra Essentials (introduction, vectors, linear combinations, linear transformation and matrices, linear algebra in neural networks, labs) * Calculus Essentials (introduction, derivates through geometry, chain rule and dot product, limits, integration, calculus in neural networks) * Neural Networks (introduction to Neural Networks, training Neural Networks, deep learning with PyTorch)   Projects   * Using a Pre-trained Image Classifier to Identify Dog Breeds (Build functions, use command line arguments, test the runtime of the code, create a dictionary of list using Python to identify dog breeds using trained image classifier) * Create Your Own Image Classifier (Training deep learning model on a dataset of images, and then use the trained model to classify new image) | | | | | | | | | | | | |
| Name and type of organisation providing education and training | | Udacity Nano Degree Program | | | | | | | | | | | | |
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| Personal skills and competences | |  | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Mother tongue(s) | | Bahasa Indonesia | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Other language(s) | |  | | | | | | | | | | | | |
| Self-assessment | |  | Understanding | | | | | Speaking | | | | | Writing | |
| European level (\*) | |  | Listening | | Reading | | | Spoken interaction | | Spoken production | | |  | |
| English | |  | C1 | Proficient User | C2 | Proficient User | | B2 | Independent User | B1 | | Independent User | B2 | Independent User |
|  | | (\*) [Common European Framework of Reference for Languages](http://europass.cedefop.europa.eu/LanguageSelfAssessmentGrid/en)  IELTS score:   * Overall : 7.0 * Listening: 7.5, Reading : 9.0, Writing: 6.0, Speaking: 6.0 * Date : 27/02/2019 | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Social skills and competences | | Can work in a team as well as alone.  A good listener, can getting along with others, patient  Follow the rules  Persistent | | | | | | | | | | | | |
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| Organisational skills and competences | | Leadership (as a lecturer and Coordinator of Intellectual Property team in my office) | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Computer skills and competences | | - Competent with most Microsoft Office programmes and some experience with HTML  - Basic programming (C, Java)  - Android programming  - Python programming | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | |
| Additional information | | **AWARD**  Google Faculty Development Program (FDP), Dicoding class, “Menjadi Android Developer Expert” (MADE): scholarship for online class to be an Android developer expert  Challenge Course at Bertelsmann Technology Scholarship Program, AI Track. Udacity Scholarship  **PUBLICATION**  ‘Leady: Multisensory Approach in Mobile Application for Dyslexic Children’ in the Journal of CommIT, Vol. 15, No. 1, May 2021  ‘Implementation of Augmented Reality in Introducing Islamic Pillars Application for Young Children’, in Proceeding of the International Conference on Early Childhood Education (ICECE 2020), Bandung, 2020  ‘Implementing Orton-Gillingham Method in Developing Application for Learning Hijaiyah Letters for Intellectual Disability Student: A Brief Analysis’ in International Journal of Engineering & Technology, Vol. 8, No. 1.9, 2019: 172 - 175  ‘Tinjauan Persepsi Warna Pada Pembuatan Aplikasi Mobile Bagi Anak Diskalkulia (Analysis of Color Perception in Developing a Mobile Application for Dyscalculia Children)’, in Jurnal Komputer Bisnis, Vol. 7, No. 1, 2016: 8 - 11  ‘Towards Digital Intervention: Overview of Dyscalculia in Indonesia’ in Jurnal Sistem Komputer, Vol. 5 No. 2, November 2015: 51 - 54  ‘Teknik Watermarking Citra Berbasis SVD’ (Image Watermarking Techniques Based on SVD)’ in  Proceeding of National Conference on Computer Science and Information Technology (NACSIT),  Depok, 2007  ‘Penyisipan Tanda Air pada Citra Dijital Berbasis Dekomposisi Nilai Singulir (DNS)’ (Digital Image Watermarking Based on SVD) in Makara Journal of Technology, Vol.10 No. 2, November 2006: 83 – 88  **RESEARCH**  ‘Digital Image Watermarking Techniques Based on DCT-SVD’, Faculty of Computer Science, University of Indonesia, 2007  ‘Design of On Line Payment System of Electric-Usage Billing at PT. PLN Makassar Branch  (In collaboration with Suryanarti Sultan)’, Faculty of Engineering, Electrical Engineering, Hasanuddin University, 2002 | | | | | | | | | | | | |
|  | | **SUPERVISING STUDENTS’ FINAL PROJECT**  Pembuatan Sistem Informasi Pelayanan Kesehatan pada Praktik Kerja Lap di Dinas Kesehatan Kab. Bogor (Healthcare Information System Development at Department of Health, Bogor), Diploma Program IPB, 2008  Pembuatan Website Kebun Percobaan Manoko (The development of Manoko Experiment Field Website), Diploma Program IPB, 2008  Pembuatan CD Interaktif Budidaya Krisan Pusat Perpustakaan dan Penyebaran Teknologi Pertanian /PUSTAKA (Interactive CD for Cultivating Chrysanthemum), Diploma Program IPB, 2009  Pembuatan CD Interaktif Penyuluhan Pertanian Top Working Fruit (Top Working Fruit, Interactive CD for Agricultural Extension), Diploma Program IPB, 2010  Pembuatan Sistem Database Diklat pada Badan Pengawas Obat dan Makanan (The development of Training Centre Database System at BPOM), Diploma Program IPB,2011  Pembuatan Website Bogor Hotel Institute Online Test (The development of Bogor Hotel Institute Online Test), Diploma Program IPB, 2012  Pembangunan Website Kebun Percobaan Cicurug pada Balai Penelitian Tanaman Rempah dan Obat (The development of Cicurug Experiment Field Website), Diploma Program IPB, 2013  Pembuatan Multimedia Interaktif Denah Ruangan pada Kios Informasi PUSDATIN Kementrian Pertanian (The development of Interactive Multimedia of Ministry of Agriculture Floor Layout), Diploma Program IPB, 2013 | | | | | | | | | | | | |
|  | | Pembuatan Aplikasi Bioinformatika Berbasis Web di PT Smart Biotechnology Centre (The development of Bioinformatics Web at PT Smart Biotechnology Center), Diploma Program IPB, 2014  The development of Cone, mobile application for dichromatic person, Informatics Engineering Telkom University, 2015  The development of MatDis, mobile application for dyscalculic children, Informatics Engineering Telkom University, 2015  The development of Bocah, mobile game of Indonesian history, Informatics Engineering Telkom University, 2015  The development of Kaleci, mobile app games based on Virtual Reality to preserve Indonesian traditional games, Informatics Engineering Telkom University, 2016  The development of Trash Rescue, waste transport pptimisation system, Informatics Engineering Telkom University, 2017  The development of Bahasaku, mobile application to preserve traditional language in Indonesia, Informatics Engineering Telkom University, 2017  The development of Smart surveillance with Raspberry-Pi3 ; home security based on IoT, Informatics Engineering Telkom University, 2017  The development of LINDAR, mobile application for introducing landmark of Indonesian province based on Augmented Reality, Informatics Engineering Telkom University, 2017  The development of PilahSampahNa, waste sorting introduction app for waste bank based on Aumented Reality, Software Engineering Application, Telkom University, 2020  The development of Android based flood monitoring application using LoRa communication, Software Engineering Application, Telkom University, 2020  The development of 5Pillars, mobile application to introduce Islamic Pillars for early childhood based on Augmented Reality, Software Engineering Application, Telkom University, 2020  The development of web application for questionnaire processing in Pearson method, Software Engineering Application, Telkom University, 2020 | | | | | | | | | | | | |
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