Fathurahman Ma'ruf Hudoarma

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Education

Telkom University *Bandung, Indonesia*

B.S. in Computational Science *Aug. 2014 - Mar. 2018*

- GPA Score: 3.66/4.00
- I have been consistently praised as responsible by my professors and peers. Whether working on academic, extracurricular, or professional projects, i apply proven technical, analytical, and creative thinking skills.

Skills

Programming Python, C/C++, Ruby, JAVA, Golang
Web Django, React.js, Laravel, Vue.js
Graphic Corel Draw, Photoshop
Languages Indonesian, English, Deutsch

Experience

PT. Wijaya Kusuma Sukses *Bekasi, Indonesia*

Web Designer (Freelance) *Apr. 2017 - Nov. 2017*

- Design a web application with Content Management System (CMS) that can support and help the administrative supervisor.

Indonesian Institute of Sciences *Bogor, Indonesia*

Researcher (Internship Program) *May 2017 - Aug. 2017*

- Researched Grid Refinement algorithms to improve accuracy of blood flow simulation with Navier-Stokes equations and Lattice Boltzmann method

High Performance Computing Research Group Telkom University *Bandung, Indonesia*

Parallel Computing Division *Jan. 2017 - May. 2017*

- Researched parallel algorithms using OpenMP to improve performance and reduce time complexity that implements in Images Overlay with Noise Reduction and Contrast Enhancement.

Informatics Laboratory of Telkom University *Bandung, Indonesia*

Practicum Assistant *Jan. 2016 - Apr. 2017*

- Teach and assist students in practice as needed to establish programming skills and logical analysis.

PT. Pos Indonesia *Lamongan, Indonesia*

IT Support (Internship Program) *May 2016 - Jul. 2016*

- Improving the functionality of the software to be more optimal and troubleshooting hardware and software.

Extracurricular Activity

IEEE Student Branch Telkom University *Bandung, Indonesia*

Head of Membership Development *Apr. 2016 - Dec. 2017*

- Gained expertise in manages student resources operations by recruiting, selecting, orienting, training, coaching, counseling, and disciplining member.
- Planning, monitoring, appraising, and reviewing organization events.
- Participated on IEEE conferences and several programming competitions.
- Held several seminars about the latest technology.

Himpunan Mahasiswa Ilmu Komputasi *Bandung, Indonesia*

EXTERNAL RELATIONS STAFF *Jan. 2016 - Dec. 2016*

- Gained expertise in relating with other organizations and companies.
- Proposed various marketing and network activities to raise relationship with others.
- Held several meeting session with other related organizations.

Honors & Awards

INTERNATIONAL

2017	**Winner**, IEEE Region 10 Website Contest	*Singapore*
2016	**Participant**, IEEEXtreme 24-Hours Programming Competition 10.0	*Internet-Based*
2015	**Participant**, IEEEXtreme 24-Hours Programming Competition 9.0	*Internet-Based*

DOMESTIC

2018	**Published**, Analisis Aliran Darah dalam Pembuluh Arteri Menggunakan Persamaan Navier-Stokes dan Metode Lattice-Boltzmann. Jurnal Matematka UNUD, Vol. 7, No. 1, ISSN:2303-1751	*Bali, Indonesia*
2014	**Finalist**, ILCF Telkom University Scrabble Competition	*Bandung, Indonesia*

Program Committees

2017	**Creative Event**, Telkom Eduphoria: "Innovation, Education, Eduphoria!"	*Bandung, Indonesia*
2017	**Steering Committee**, Insight 2017: "Be Creative with Arts and be Fame with Technologies"	*Bandung, Indonesia*
2016	**Publication and Documentation**, IEEE Distinguished Lecturer Program: "5G & Future Wireless Internet and Embedded Memory Technology, Applications and Future Prospects"	*Bandung, Indonesia*
2016	**Chief Executive**, IEEE Campus Programming Competition	*Bandung, Indonesia*
2015	**Co-Organizer**, Konferensi Big Data Indonesia	*Bandung, Indonesia*
2015	**Co-Organizer**, International Joint Conferences IEEE & LIPI: ICATDEV, ICRAMET & IC3INA	*Bandung, Indonesia*