Fathurahman Ma'ruf Hudoarma

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Education

Telkom University   *Bandung, Indonesia*

S.Si.Kom (Sarjana Sains Komputer) in Computational Science   *Aug. 2014 - Mar. 2018*

- GPA Score: 3.66/4.00 (Cumlaude)
- 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 Languages	C#, C, C++, Dart, Java, Golang, Kotlin
Scripting Languages	Python, Javascript, PHP, Ruby
Markup Languages	TeX, HTML, XML
Web Frameworks	ASP.NET, JQuery, React.js, Django, Express
Other Frameworks & Libraries	.NET, .NET Core, Xamarin, Flutter, Node.js
Databases	Microsoft SQL Server, SQLite, MySQL, PostgreSQL, MongoDB, Oracle
Graphics Design	Corel Draw, Adobe Illustrator, Adobe Photoshop
Languages	Indonesian, English, Deutsch

Experience

Dinas Komunikasi dan Informatika   *Majalengka, Indonesia*

Analis Sistem Informasi   *Mar. 2019 - Present*

PT. Astra International Tbk.   *DKI Jakarta, Indonesia*

Backend Developer   *Jul. 2018 - Feb. 2019*

- Developing and maintaining PSS4W (Pygmalion Synchronize Server 4 Wheeler) system.
- Developing and maintaining DMS (Daihatsu Mobile Service) Application.
- Developing and maintaining DVC (Daihatsu Voice Command) Application.
- Developing and maintaining THS (Toyota Home Service) Application.

PT. Xsis Mitra Utama   *DKI Jakarta, Indonesia*

Software Engineer   *May. 2018 - Feb. 2019*

- Developing and maintaining a product or a project software from company client.

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*