

Fathurahman Ma'ruf Hudoarma

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Summary

Professional Software Engineer. Well experienced in back-end development, database optimization, mathematics simulation, and parallel computing. Super nerd who loves Visual Studio Code, Linux, and Android and enjoys to customize all of the development environment. Interested in devising a better problem-solving method for challenging and learning new technologies or tools if the need arises.

Experience

Dinas Komunikasi dan Informatika

ANALIS SISTEM INFORMASI

Majalengka, Indonesia

Mar. 2019 - Present

PT. Astra International Tbk.

BACKEND DEVELOPER

DKI Jakarta, Indonesia

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

SOFTWARE ENGINEER

DKI Jakarta, Indonesia

May. 2018 - Feb. 2019

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

PT. Wijaya Kusuma Sukses

WEB DESIGNER (FREELANCE)

Bekasi, Indonesia

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

RESEARCHER (INTERNSHIP PROGRAM)

Bogor, Indonesia

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

PARALLEL COMPUTING DIVISION

Bandung, Indonesia

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

PRACTICUM ASSISTANT

Bandung, Indonesia

Jan. 2016 - Apr. 2017

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

PT. Pos Indonesia

IT SUPPORT (INTERNSHIP PROGRAM)

Lamongan, Indonesia

May 2016 - Jul. 2016

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

Education

Telkom University

S.Si.KOM (SARJANA SAINS KOMPUTER) IN COMPUTATIONAL SCIENCE

Bandung, Indonesia

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.

Extracurricular Activity

IEEE Student Branch Telkom University

HEAD OF MEMBERSHIP DEVELOPMENT

Bandung, Indonesia

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

EXTERNAL RELATIONS STAFF

Bandung, Indonesia

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 , IEEEExtreme 24-Hours Programming Competition 10.0 | Internet-Based |
| 2015 | Participant , IEEEExtreme 24-Hours Programming Competition 9.0 | Internet-Based |

DOMESTIC

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

Program Committees

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|------|---|--------------------|
| 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 |