

# Fathurahman Ma'ruf Hudoarma

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## Summary

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Fresh Graduate. Well experienced in web design, back-end development, 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

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### PT. Wijawa Kusuma Sukses

*Bekasi, Indonesia*

WEB DESIGNER (FREELANCE)

*Apr. 2017 - Mar. 2018*

- 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 - 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.

## Education

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### Telkom University

*Bandung, Indonesia*

B.S. IN COMPUTATIONAL SCIENCE

*Aug. 2014 - Mar. 2018*

- GPA Score: 3.66/4.00
- TOEFL Prediction Score: 487

## Extracurricular Activity

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### 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

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

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### INTERNATIONAL

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| 2017 | <b>Winner</b> , IEEE Region 10 Website Contest                         | Singapore      |
| 2016 | <b>Participant</b> , IEEEExtreme 24-Hours Programming Competition 10.0 | Internet-Based |
| 2015 | <b>Participant</b> , IEEEExtreme 24-Hours Programming Competition 9.0  | Internet-Based |

### DOMESTIC

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|------|--|--------------------|
| 2018 | <b>Published</b> , 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 | <b>Finalist</b> , ILCF Telkom University Scrabble Competition  | Bandung, Indonesia |

## Program Committees

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