

# 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
- TOEFL Prediction Score: 487

## Skills

**Programming** Python, C/C++, JAVA, Ruby, Golang

**Web** Django, React, Laravel

**Graphic** Corel Draw, Photoshop

**Languages** Indonesian, English, Deutsch

## Experience

### 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.

## 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

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

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