

# Nur Alam Hasabie

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## Education

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**Bandung Institute of Technology, Indonesia**  
Bachelor of Science, Computer Science (Cum Laude)

*Aug 2017 – Oct 2021*  
Overall GPA : 3.70, Major GPA : 3.70

## Publications

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Ruidan Li, Hasabie, Nur A., Jeffrey F. Lukman, Senapati S. Diwangkara, and Haryadi S. Gunawi. Data-driven prioritization and system optimization for distributed system concurrency testing. 2021, *In submission for ICST 2022*

## Experience

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### **UChicago - Remote Undergraduate Research Assistant**

Sept 2020 – today

- Working under **Prof. Haryadi Gunawi** on **systems-related** research projects.
- **Modify** Cassandra and its testing framework for use with model checking.
- Reproduce and validate results from 2 novel optimization techniques.
- Report & discuss weekly progress and findings.

### **Lokakarya - Backend Developer**

May 2020– Jul 2020

- **Developed backend** for a new CRM for NGOs in Indonesia.
- Technology used : SlimPHP, PostgreSQL.

### **Teaching Assistant, Computational and Engineering Lab**

Jul 2019 – Dec 2020

Assisted 5 undergraduate courses

- IF2120 - Discrete Mathematics
- IF4020 - Cryptography
- IF2122 - Probability and Statistics
- IF2220 - Formal Language Theory and Automata
- IF2211 - Algorithm Strategies

### **Head of Web Development - BMKA Salman ITB**

Jul 2019 - Dec 2021

Lead a team of 16 people to build an app for an NGO in Bandung, Indonesia, with over +15000 users.

- Gathering requirements from end users
- Designing the overall microservice architecture of the system
- Managing development

## Skills

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### **Programming Languages:**

C, C++, Python, Java, Bash

### **System hacking :**

Cassandra, dtest

### **Systems :**

GNU/Linux, AWS, Chameleon testbed