

# William

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## EDUCATION

### Bandung Institute of Technology (Institut Teknologi Bandung)

Aug 2018 - July 2022

Bachelor of Science in Computer Science

**GPA:** 3.95 / 4.0

## EXPERIENCE

### Software Engineer (Intern)

#### Tokopedia (Fintech Team)

Aug 2021 - Feb 2022

- Add blocking user capabilities and product configuration menus on existing internal systems to support Tokopedia to Dhanapala's source of truth migration.
- Improve current file uploading system to process files concurrently in Go.
- Build a scheduler that automates the weekly reporting process for each bank partner using Go.
- Improve monitoring on notification service and cron job (scheduler) to alert the team when the system is down using Datadog.

### Data Scientist (Intern)

#### Blibli.com (Merchant Team)

May 2021 - Aug 2021

- Compare topic modeling model and deep learning approach for intent classification in seller chats.
- Research machine learning approach (scorecard) to score new merchant fraudulent behavior.

### Backend Web Developer (Intern)

#### Xtremax

May 2020 - Aug 2020

- Modernize existing website integration testing using Selenium for PAC (Press Accreditation Card) website and help refactor existing code to enable unit testing.
- Develop an archival system in the website database to archive registration form information using ASP.NET.

## VOLUNTEER

### Head Division of Datavidia

#### Arkavidia

July 2020 - April 2021

- Prepare Datavidia, one of the Data Science Competition held by ITB in Arkavidia, as the head division.
- Communicate with other head divisions to ensure the Arkavidia event.

## PROJECTS

### AskReddit Video Maker Bot (Python, Playwright) | Open-source

- Help contribute to open source projects that automate the process of creating short clips that have been popular on Tiktok and YT Shorts using a Reddit thread as the main content.
- Contribute by building background configuration for changing position of image in background, adding progress bars when downloading resources and one of the maintainers that helps resolve bugs and issues.

### Asset Geographic Information System | Web App (React, Express JS, MongoDB)

- Build an asset management system that includes its geographic information in a map-like UI.
- Include an admin interface to help with administrative tasks, such as inserting/modifying asset information.

### Fitness Apps | Mobile Application (Android SDK, Kotlin)

- To track your jogging & cycling workout, such as which route we take and workout duration.
- Also able to view sports news and remind users of their workout schedule.

## ACHIEVEMENT

### 3rd rank, National Gemastik Data Mining Competition (Oct 2019)

- Build a deep learning model to separate different types of waste based on how they were processed using their image with Convolution Neural Network (CNN).

### Top 15, National Data Science Competition Shopee (Nov 2020).

- Completing the challenge of building payment matching using fuzzy search and using apriori algorithm to calculate market basket confidence

## Familiar Technologies and Languages

- Go, Python, Node Js (Express), SQL, HTML, CSS, Javascript (React)
- Git, Redis, NSQ (Message Queue), Graylog, Datadog, MySQL, PostgreSQL, MongoDB, Jenkins