

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

Aug 2021 - Feb 2022

- Added 2 new menu and dashboard on existing internal systems used by the Dhanapala Operation teams.
- Added batching uploading system to allow data to be concurrently uploaded to in Go.
- Developed reporting tools to generate reports every week for bank partners using Go.
- Added monitoring to increase observability on notification service using Datadog and refactoring existing code to allow easier unit testing.

Data Scientist (Intern)

Blibli.com

May 2021 - Aug 2021

- Researched topic modeling model vs deep learning approach for intent classification in seller chats.
- Researched machine learning approach that can output scores for new merchant fraudulent behavior.

Backend Web Developer (Intern)

Xtremax

May 2020 - Aug 2022

- Modernize existing testing using Selenium for PAC (Press Accreditation Card) website integration testing and refactor existing code to enable unit testing.
- Added a new archival system in the website database for saving registration form information for each period time.

VOLUNTEER

Head Division of Datavidia

Arkavidia

July 2020 - April 2021

- Preparing 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

Asset Geographic Information System (React, Express JS, MongoDB, SSO, GCP)

- Prototyping asset management system with geographic information.
- Leverage CAS-SSO as an authentication system to sign in.

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

- Contribute building bot that automates the process for creating short clips of reddit clips.
- Help build background configs, progress bar (during download), and handling comments that were too long.

Fitness Apps | Mobile Application (Android SDK, Kotlin)

- Able to track jogging & cycling instances with complete info such as the route taken and workout duration.
- Other features such as sport news viewer workout reminders are also included.

Avatar Trading Card Game | Desktop Application (Java, JavaFX)

- Simplified trading card game built using Java that utilizes OOP concepts, including design patterns.

ACHIEVEMENT

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

- Prototyping a deep learning model that is capable of separating different types of waste based on how they are processed.

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

- Matching payment using fuzzy search & Create apriori algorithm to calculate market basket confidence

Familiar Technologies and Languages

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