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 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 2022*
- 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

Asset Geographic Information System | Web App (React, Express JS, MongoDB, SSO, GCP)
- 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.

AskReddit Video Maker Bot | CLI Application (Python, Playwright) | Open-source
- Help contribute to building a bot that automates the process for creating short clips on Tiktok or Youtube Shorts using a Reddit thread as the main content.
- Contribute by building background configuration for the bot and adding progress bars when downloading resources.

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