Rafy Akbar

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EDUCATION

Georgia Institute of Technology — Atlanta, GA
Bachelor of Science in Computer Science — *Jan. 2022 – May 2024*

EXPERIENCE

Web Developer Intern — June 2023 – Aug. 2023
Indonesia Infrastructure Guarantee Fund — *Jakarta, Indonesia (Remote)*

- Designed and developed a stakeholder-oriented web application dashboard for in-depth analysis of guaranteed infrastructure projects, utilizing **Nextjs**, **React**, and **MongoDB**
- Implemented a dynamic and efficient search filtering algorithm, resulting in a 30% enhancement in query performance for infrastructure projects
- Created a data-driven analytics to facilitate decision-making regarding guaranteed project investments
- Collaborated with a colleague to prototype and develop a full-stack web application, significantly reducing development time by up to 25%.

Python Developer Intern — July 2021 – Sep. 2021
Aplikanusa Lintasarta — *Jakarta, Indonesia (Remote)*

- Developed a full-stack web application using **Python**, **Flask**, and **SQLite**, aimed at centralizing employees directories and links into a single page application (SPA)
- Streamlined development by leveraging **SQLite** as a data management tool, automating initial configuration, and reducing development time by 10%
- Collaborated with two interns and a senior developer to brainstorm and implement features across the web application
- Completed an extensive **Flask** course to attain proficiency in web development using the framework and applied the acquired skills to the associated project

PROJECTS

ChromeOS Whiteboard | *Typescript, Lit, Vite* — Sep 2023 – Current

- Developed a project artifact for a two-semester capstone project by employing a designated technological stack, ensuring alignment with project requirements.
- Performed usability testing and heuristic evaluation on user interfaces, pinpointing critical improvement areas, and subsequently implemented changes to elevate the overall user experience.
- Utilized a mixed methodology for user research, incorporating primary and secondary research to establish a thorough understanding of user behavior and requirements pertaining to software design.

GT Degree Scraper | *Python* — Dec 2023 - Current

- Developed and implemented a web scraping tool specifically designed for extracting degree information from Georgia Institute of Technology.
- Utilized **Python** programming language and relevant libraries, such as BeautifulSoup, to create an efficient and automated solution for collecting detailed data on degree programs.

NBA MVP Prediction | *Python, pandas, scikit-learn* — Sep 2023 - Dec 2023

- Developed a model for project class midterm report to predict the MVP winner for each NBA Regular Season using Linear Regression Supervised Learning.
- Utilized a **Python**-based API web scraper to gather data from the official NBA website, encompassing NBA games spanning from 1996 to 2023.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, Typescript, HTML/CSS, R, SQL
Frameworks: React, Node.js, Lit, Flask, Django, Tailwind CSS, Bootstrap, Material Design
Developer Tools: Git, Docker, Postman, VS Code, Visual Studio, PyCharm, IntelliJ, Android Studio
Libraries: pandas, NumPy, Matplotlib, pytorch, TA-Lib