

Aliif Arief Maulana

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EDUCATION

Gadjah Mada University <i>Bachelor of Applied Computer Science</i>	Yogyakarta, ID Aug. 2021 – Aug. 2025
SMAIT Al-Kahfi <i>General Science</i>	West Java, ID Aug. 2018 – May 2021

EXPERIENCE

Undergraduate Research Assistant <i>Texas A&M University</i>	June 2020 – Present <i>College Station, TX</i>
Information Technology Support Specialist <i>Southwestern University</i>	Sep. 2018 – Present <i>Georgetown, TX</i>
Artificial Intelligence Research Assistant <i>Southwestern University</i>	May 2019 – July 2019 <i>Georgetown, TX</i>

• Developed a REST API using FastAPI and PostgreSQL to store data from learning management systems

• Developed a full-stack web application using Flask, React, PostgreSQL and Docker to analyze GitHub data

• Explored ways to visualize GitHub collaboration in a classroom setting

• Communicate with managers to set up campus computers used on campus

• Assess and troubleshoot computer problems brought by students, faculty and staff

• Maintain upkeep of computers, classroom equipment, and 200 printers across campus

• Explored methods to generate video game dungeons based off of *The Legend of Zelda*

• Developed a game in Java to test the generated dungeons

• Contributed 50K+ lines of code to an established codebase via Git

• Conducted a human subject study to determine which video game dungeon generation technique is enjoyable

• Wrote an 8-page paper and gave multiple presentations on-campus

• Presented virtually to the World Conference on Computational Intelligence

PROJECTS

TamuID <i>Python, Flask, Vue, PostgreSQL,</i>	June 2020 – Present
• Developed a full-stack web application using with Flask serving a REST API with React as the frontend	
• Implemented GitHub OAuth to get data from user's repositories	
• Visualized GitHub data to show collaboration	
• Used Celery and Redis for asynchronous tasks	
Simple Paintball <i>Spigot API, Java, Maven, TravisCI, Git</i>	May 2018 – May 2020
• Developed a Minecraft server plugin to entertain kids during free time for a previous job	
• Published plugin to websites gaining 2K+ downloads and an average 4.5/5-star review	
• Implemented continuous delivery using TravisCI to build the plugin upon new a release	
• Collaborated with Minecraft server administrators to suggest features and get feedback about the plugin	

TECHNICAL SKILLS

Languages: PHP, Python, SQL, JavaScript, HTML/CSS, R

Frameworks: React, Flask, Laravel, Flask, Vue, FastAPI

Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, DBeaver, Linux Terminal, GitLab CI

Libraries: ExpressJS