

Project Title

Tycha

Project Type

self-initiated project

Year Accomplished

2021

Role/Position

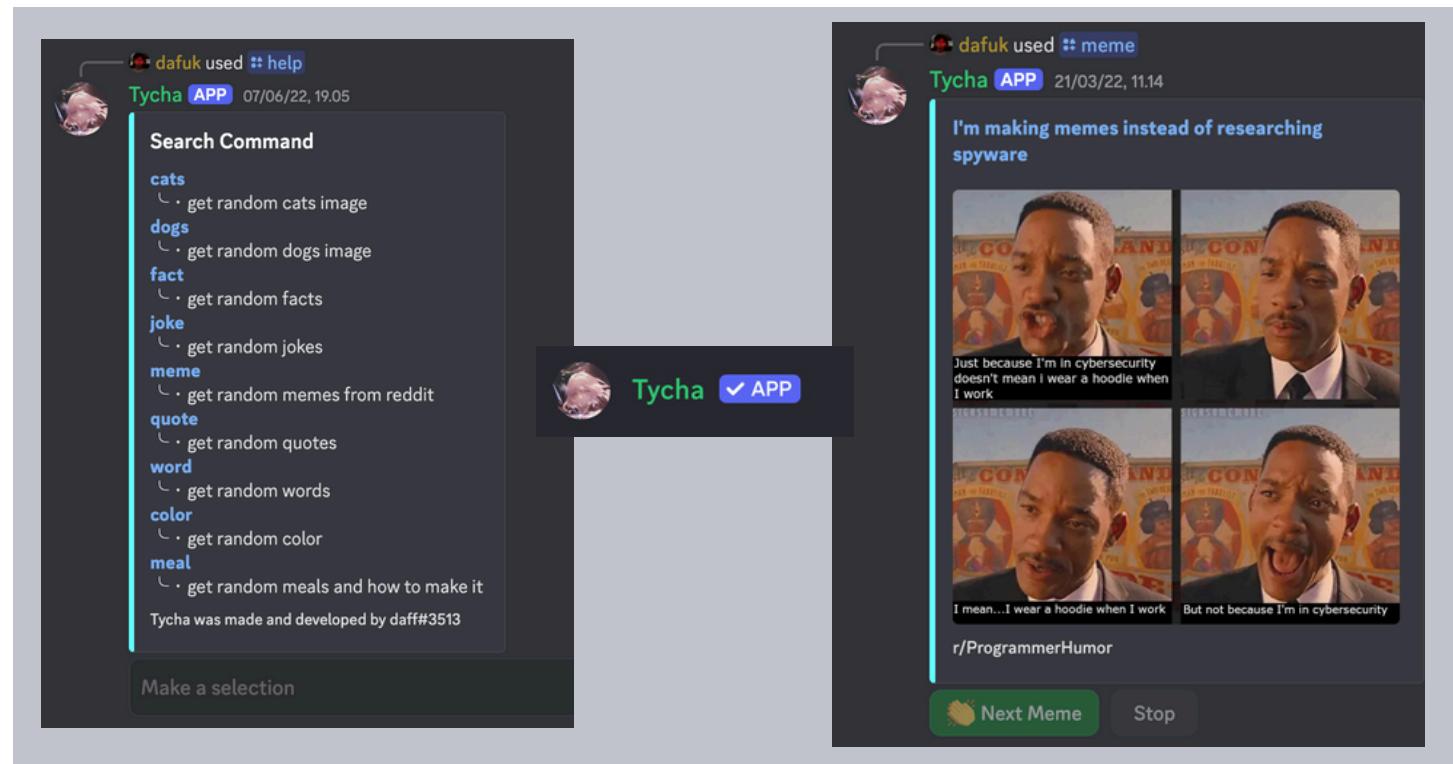
Developer

Publication Link<https://github.com/dafpy/tycha>**My Impact**

developed the bot from scratch, published and advertised the bot through various bot listing websites, verified the bot through Discord Verification Center

Project Description

Tycha is my first ever published programming project, it is a multipurpose discord bot that could help moderate a discord server and boost engagement at the same time by providing playful and useful features.

**From this project, I learned to:**

- design and develop a discord bot through Discord API wrapper for Python
- handle user's data responsibly making sure the users trust the bot by transparency
- publish and advertise my product through various platforms
- ensure my product aligns with the company's policies and views

Name

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Project Title
VtuberWiki-Py

Project Type
self-initiated project

Year Accomplished
2022

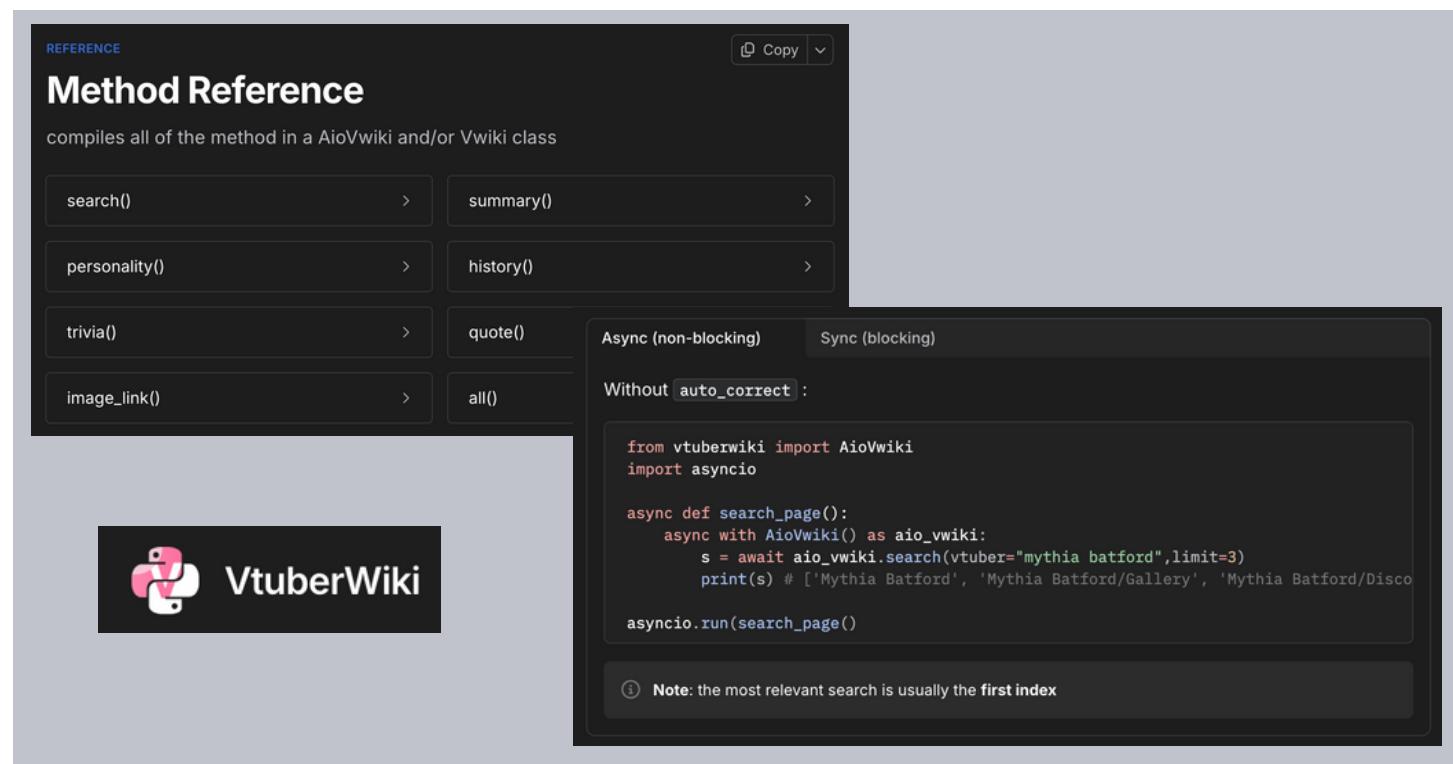
Role/Position
Developer

Publication Link
<https://github.com/dafpy/vtuberwiki-py>

My Impact
implemented a way to format the inconsistent API response, invented custom methods that wasnt initially provided by the API, provided asynchronous delivery for optimal design

Project Description

VtuberWiki-Py is an Fandom API Wrapper built on Python, exclusively made for Vtuber (Virtual Youtuber) Wiki Fandom. This allows the user to extract the Fandom's page content smoothly, as raw Fandom API are known to be very unstable and may yield inconsistent API responses format.



The screenshot shows the 'Method Reference' section of the VtuberWiki-Py documentation. It lists several methods:

- search() >
- summary() >
- personality() >
- history() >
- trivia() >
- quote() >
- image_link() >
- all()

Below the methods, there are two tabs: 'Async (non-blocking)' and 'Sync (blocking)'. The 'Sync (blocking)' tab is selected. It contains a code snippet for an asynchronous search function:

```
from vtuberwiki import AioVwiki
import asyncio

async def search_page():
    async with AioVwiki() as aio_vwiki:
        s = await aio_vwiki.search(vtuber="mythia batford", limit=3)
        print(s) # ['Mythia Batford', 'Mythia Batford/Gallery', 'Mythia Batford/Disco']

asyncio.run(search_page())
```

A note at the bottom states: "Note: the most relevant search is usually the first index".

From this project, I learned to:

- scrape a website responsibly to retrieve crucial information that was not provided by the API
- handle and sanitize inconsistent API responses
- implement asynchronous delivery to reduce response time of each request
- think outside-the-box to overcome challenges that might be unexpected and find solutions that was never been done before

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Project Title

Personal Website

Project Type

self-initiated solo project

Year Accomplished

2022 - Present

Role/Position

Developer, Designer

Publication Link

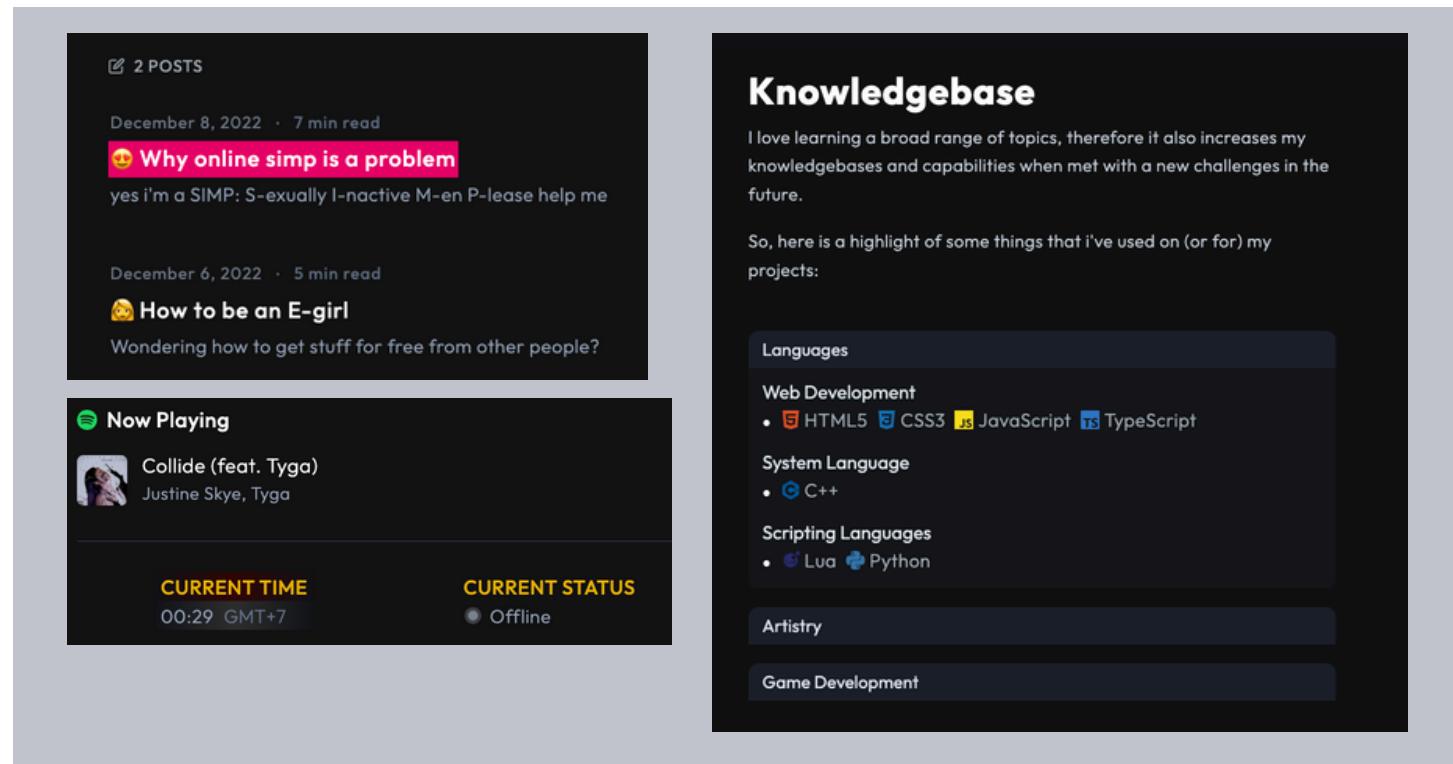
<https://satriadaffa.com>
<https://github.com/dafy/nextjs-daff-port>

My Impact

fully designed,
researched and
developed the site from
scratch

Project Description

as an expressive person, i love to share my journey to the world, especially sharing stories within a personal blogs, which is why i felt like a personal website would be a perfect and interesting project to try on as this project was my first dive into React and dynamic sites.



The screenshot displays two main sections of the website. On the left, there's a blog feed with two posts. The first post is titled "Why online simp is a problem" and the second is "How to be an E-girl". Both posts have a timestamp and a "5 min read" duration. Below the blog feed is a "Now Playing" section showing a song by Justine Skye and Tyga. At the bottom, it shows the current time as 00:29 GMT+7 and the status as Offline. On the right, there's a "Knowledgebase" section where the user discusses learning new topics and lists various skills and interests. The skills listed include Web Development (HTML5, CSS3, JavaScript, TypeScript), System Language (C++), Scripting Languages (Lua, Python), Artistry, and Game Development.

From this project, I learned to:

- develop and utilize NextJS to create dynamic sites to reduce loading time of the site
- integrate gray-matter into .md files, which translates markdown files into MDX blog pages
- handle API Auth and integrate API responses into my site
- utilize dynamic routing to create dynamic blog pages route

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Project Title
D'AUTOM8N

Project Type
self-initiated project

Year Accomplished
2022

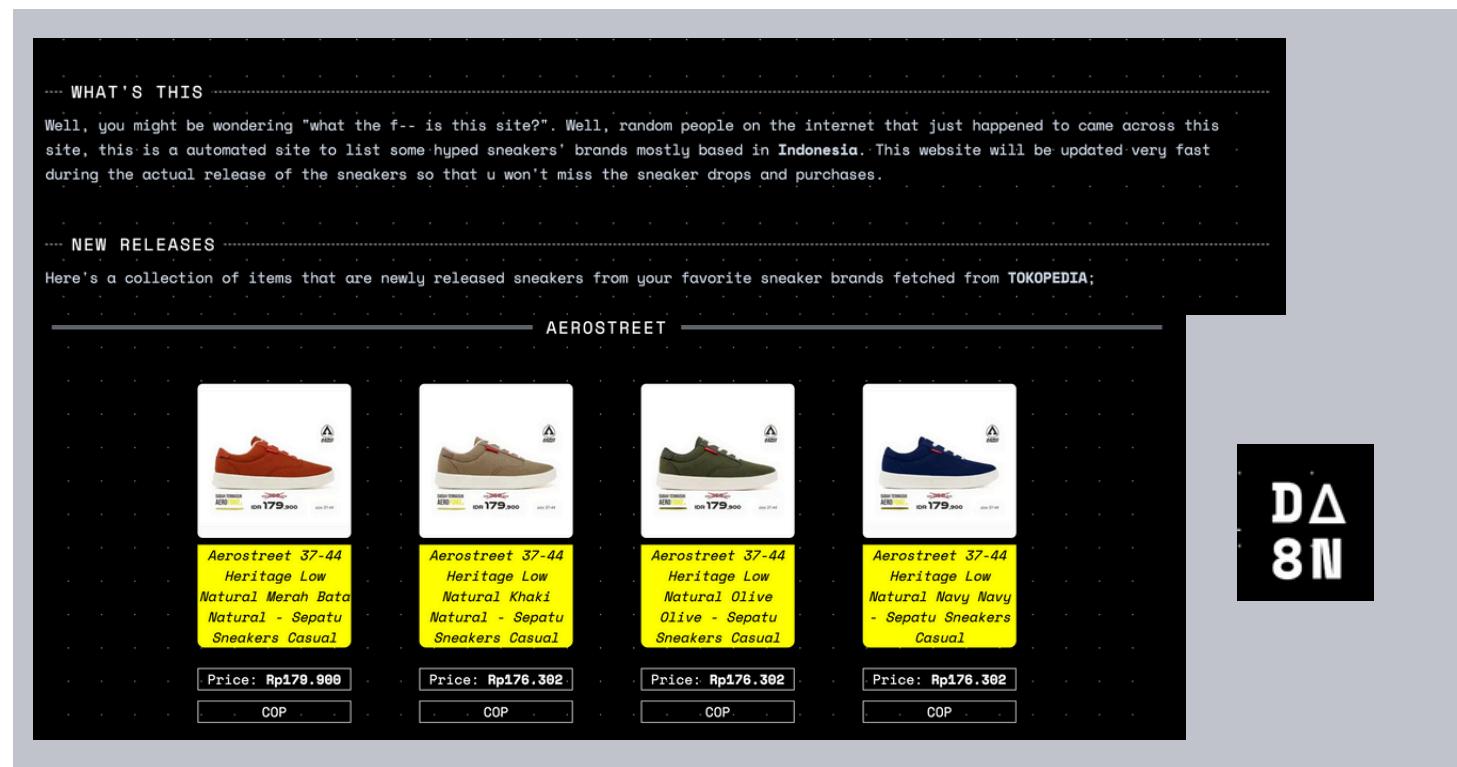
Role/Position
Developer, Designer

Publication Link
<https://github.com/dafpy/aero-tokped>

My Impact
implemented an API wrapper for Tokopedia's graphql responses, designed a reactive page update using stale-while-revalidate method

Project Description

D'AUTOM8N is a solution to online shop shock-drop botting, as it allows user to navigate quickly to the purchase section of the item before it is displayed on the site, hence giving the user the same chance as the bot. The site will be updated very frequently to keep the item relevance.



From this project, I learned to:

- handle graphql API request and responses
- design a reactive website that needs to be constantly updated
- find an innovative way to beat a broken system
- stay ethical while coding and not violate any rules given by the other party (ex: ratelimit)

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Project Title

Circle

Project Type

college group project

Year Accomplished

2024 - Present

Role/Position

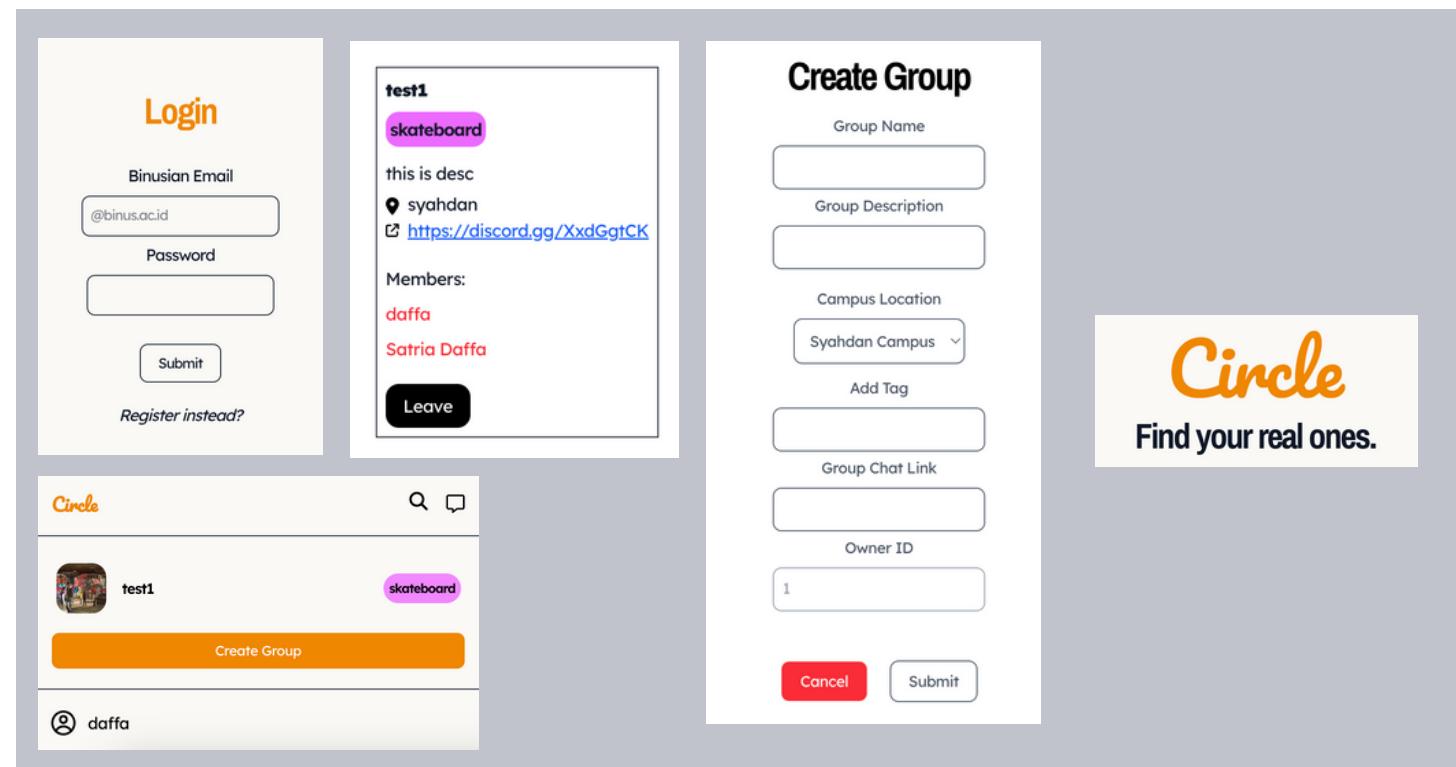
Developer

Publication Link<https://github.com/dafpy/circle>**My Impact**

proposed the general idea of a tinder-like group matching platform, leading the group, developing the main backend logic of the site

Project Description

Circle is a group matching platform for student of Binus University using tinder-like feature to help users find the ideal friend group based on their interest and campus location. The platform gave a safe way for shy people to make friends, as it is exclusively for verified student of Binus University.

**From this project, I learned to:**

- implement agile methodologies to focus on prioritization and estimation of each features
- integrate and handle database auth, connection, and responses to the backend part of the site
- integrate various User Authentication API and handle its responses
- discuss and collaborate with different kinds of people with varying opinion, skillsets and skill levels

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