

Daniel Tok

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EDUCATION

UNIVERSITY OF MICHIGAN

Bachelor of Science & Engineering in Computer Science

Ann Arbor, MI

Aug 2022 - May 2025

- **GPA:** 3.92/4.00
- **Awards/Honors:** 4x Dean's List 2022 - 2024, James B. Angell Scholar (3 consecutive terms of all A's)
- **Course highlights:** Web Systems, Software Engineering, Operating Systems, Computer Security
- **Languages/Frameworks:** Python, C++, Django, SQL, JavaScript, React

WORK EXPERIENCE

UNIVERSITY OF MICHIGAN INFORMATION AND TECHNOLOGY SERVICES

Ann Arbor, MI

Network Infrastructure Intern

May 2024 - Aug 2024

- Engineered a Python-based data synchronization tool to consolidate network infrastructure information sourced across UofM to create a single source of truth using Netbox running in a Docker instance
- Performed prompt tuning, testing, and data enrichment tasks on a chatbot assistant designed to enhance UM ITS project manager productivity
- Gained experience with object oriented programming and data manipulation tools SQL and Pandas

KPMG MALAYSIA

Kuala Lumpur, MY

Lighthouse Software & Application Intern

May 2023 - Aug 2023

- Developed an e-commerce platform providing online training modules relating to tax, audit and data privacy services provided by KPMG and assisted with database admin tasks using Power BI
- Utilized Django to manage page rendering, product database, user authentication and input forms efficiently
- Incorporated Bootstrap, HTML, and CSS to produce responsive web pages

PROJECTS / VOLUNTEERING

Chataway AI Trip Planner

Ann Arbor, MI

MHacks Hackathon

November 2023

- Collaborated with two teammates to build a LangChain powered chatbot that prompts the user to describe their ideal trip to and returns a suggestion of locations with a map of the shortest cycle covering them
- Gained experience with Google Places and Directions API to pull location data and traveling salesman heuristics to return shortest cycle route using Python
- Leveraged Django to process responses from the LangChain model and display data to chatbot front end

Simple Weather Dashboard

Ann Arbor, MI

React Web Application

August 2024

- Built a dynamic weather dashboard using React and OpenWeatherAPI that supports lookup by city
- Optimized user interface to provide comprehensive current and forecasted weather metrics at a glance

RoomReserve

Kuala Lumpur, MY

Django Dynamic Web App Project

June 2023

- Allows users to create, book, modify, and delete office rooms depending on availability and given privileges
- Utilized Django to handle login authentication, room and user database, and page rendering

The Assembly Soup Kitchen (TASK)

Selangor, MY

Web Developer Lead

Jul 2021 - present

- Built and maintaining a website to promote TASK's cause, attract volunteers and raise funds for food aid
- Worked closely with two volunteer leads to garner feedback to iteratively improve website design
- Contributed to food distribution efforts to underprivileged groups to provide 3000 meal kits monthly

CERTIFICATIONS

AWS Certified Developer - Associate

Ann Arbor, MI

[Amazon Web Services Training and Certification](#)

Aug 2024