

Afnan Dzaharudin

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EDUCATION

University of Illinois at Urbana-Champaign (UIUC)	August 2020 – Present
<i>Bachelor of Science in Statistics, Minor in Computer Science</i>	GPA: 3.85 / 4.00, Graduating June 2024

HONORS

U of I Dean’s List: Fall 2020, Spring 2021, Fall 2021, Spring 2023	2020 – Present
Petroliaam Nasional Berhad (PETRONAS) Education Sponsorship, <i>Recipient</i>	2020 – Present

WORK EXPERIENCE

UIUC Statistics Department	Urbana, IL
<i>Course Assistant, STAT 207: Discovery in Data Science</i>	January 2022 – Present

- Fostered a group-focused learning environment by supervising group labs, providing guidance and teaching data analysis methods in classes of up to 30 students
- Evaluated students’ solutions to open-ended problems, providing detailed feedback, grading fairly based on knowledge demonstrated and in accordance with instructor’s vision
- Resolved technical problems with students’ development environments, operating in Windows, MacOS, or Linux, ensuring a streamlined learning experience for students

UIUC Accessible Media Services	Champaign, IL
<i>Course Video Captioner</i>	June 2023 – September 2023

- Produced highly accurate transcriptions that are at least 99% verbatim, requiring carefulness and high attention to detail throughout the whole length of videos
- Deciphered unfamiliar words given purely in audio, utilizing context and thorough web-searching to determine its proper spelling with high certainty
- Enhanced the accessibility of courses for students in many fields by flexibly captioning for various courses, e.g. in STEM, humanities, health sciences, etc.

ACTIVITIES & LEADERSHIP

Malaysian Student Association UIUC	August 2021 – May 2023
<i>Vice President</i>	Urbana, IL

- Coordinated Malaysia-themed events which are and open to all campus students & staff, celebrating Malaysia’s ethnically diverse cultural festivals, and showcasing traditional food, games, and cultural history
- Established and managed a weekly newsletter to facilitate regular interaction with members, announcing upcoming events as well as relaying info from collaborating student organizations in a timely manner

IlliniFurs UIUC	August 2022 - Present
<i>Member</i>	Urbana, IL

- Developed a Telegram bot in Python for members to create personal profiles that would be stored in a SQLite database, and queried by an ExpressJS application to showcase on the organization website
- Actively attend weekly recreational meetings and yearly conventions with other student & staff members involved in various academic and creative pursuits, who have a shared interest in the fandom

SKILLS

Spoken Languages: English, Malay (both native-level)
Productivity Software: Microsoft Office Suite, LibreOffice Suite, Blender 3D Modeling & Video Editing, C++, Rust, JavaScript, MySQL, Google Cloud Computing, Godot, Unreal Engine
Data Science
<ul style="list-style-type: none">Python: Data cleaning, descriptive analytics, probability theory, inferential statistics, clustering algorithms<ul style="list-style-type: none"><i>Uses Pandas, Scipy, Scikit-learn, Numpy, Matplotlib, Seaborn, and Jupyter Notebook</i>R / Rstudio: Data visualization, interactive statistics web applications, numerical & categorical data modeling, Bayesian hierarchical modeling, Markov Chain Monte Carlo simulations<ul style="list-style-type: none"><i>Uses Tidyverse, Dplyr, Ggplot2, Faraway, Shiny, R-JAGS, and R-Markdown</i>
Systems Administration
<ul style="list-style-type: none">Linux: Daily-drives an Arch Linux system, capable of troubleshooting own technical problems and regularly utilizing Bash to automate tasks or perform actions in bulkProxmox: Orchestrate an array of virtual containers on a home server, segregated using VLAN, protected with iptable firewalls and regular backups, ensuring 24/7 automated operation using Systemd services