

ALEEYA MOHAMAD ROKI

Madison, WI 53703 | (608) 358-4316 | mohamadroki@wisc.edu | [LinkedIn](#) | [GitHub](#) | [Portfolio Website](#)

EDUCATION

University of Wisconsin-Madison

Madison, WI

Data Science, B.S. and Computer Science Certificate (GPA 3.75)

Fall 2022-Spring 2026

- **Relevant Courses:** Data Science Programming II (Python), Data Science Modeling II (R), Data Science Computing Project, Programming III (Java), Introduction to Artificial Intelligence (Python), Introduction to SQL

WORK EXPERIENCE

Data Science & Analytics Intern

Spokane, WA

LeyLine Technologies, Inc. · Remote Internship

June 2025-Present

- Contribute to data-driven projects for an AI startup focused on cinematic video tools
- Perform data tagging, content analytics, and exploratory analysis to support model training
- Conduct data cleaning and data modeling tasks to improve organizational workflows
- Work independently in a remote team environment, maintaining attention to detail and strong communication
- Align data initiatives with creative product goals through collaboration with engineers and designers

University Apartments Facilities Office Assistant

Madison, WI

University of Wisconsin-Madison Division of Housing

February 2025-May 2025

- Managed front desk operations and provide administrative support at the Apartment Facilities Office.
- Performed clerical duties including phone handling, data entry, recordkeeping, and correspondence management.
- Effectively utilized systems such as TMA, EMS, and UAS for data entry and reporting.
- Contributed to special research and data analysis projects using R Studio, including turnover metric evaluation, to optimize resource allocation during apartment turnovers.

PROJECTS

NYC Cab Activity Analysis – Open Source Project

Statistical Data Analysis and Distributed Computing with R & HTCondor

May 2025

- Worked in a team and analyzed 30GB of NYC Taxi data (2015–2025) to identify trends in fare pricing, trip duration, and ride frequency.
- Executed 1,388 parallel jobs using HTCondor, generating 9 analytical reports and a consolidated RDS summary.
- Applied regression models and t-tests to measure COVID-19 impact, showing a significant decrease in trips and a \$5.24 fare increase per trip.
- Identified borough-specific demand patterns (e.g., 20% longer trips in Queens) and quantified rush-hour impacts, with trips taking 17% longer during peak times compared to off-peak hours.

Reddit Rant Roulette – Bolt Hackathon 2025

AI-Powered Full-Stack Web Application

June 2025

- Built a React + Vite frontend using Bolt and deployed it on Netlify to deliver a seamless user experience.
- Developed a Flask API backend hosted on Render that scrapes Reddit rants and generates AI-powered poems via Gemini.
- Integrated custom rant scraper and prompt engineering to transform raw Reddit text into structured poetic output.
- Collaborated in a team setting using GitHub to manage source control and deployment across frontend/backend.

SKILLS

- **Programming and Data Analysis/Visualization:** React, TypeScript, Python, R, SQL, Java, JavaScript, C++, HTML, Git, Bash, JupyterLab, Pandas, Tableau, Power BI, Excel, Flask, HTCondor, JSON, Tailwind CSS, Netlify, Render
- **Statistical Methods:** Regression, Hypothesis Testing, Predictive Modeling, Scikit-learn, Tidymverse, RDS
- **Languages:** Malay (Native), English (Fluent)