TINNEY MAK

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OBJECTIVE

Accountable, hardworking, well-organized college student with effective time management; a quick learner with mathematical aptitude and strength in data analysis; a resilient team player with strong written and verbal communication skills, looking for internships in software engineering and data analytics.

EDUCATION

Princeton University, Princeton, NJ | September 2021-present
Majoring in Computer Science, minor in Cognitive Science (expected date of graduation: May 2025)
GPA: 3.830

WORK EXPERIENCE and ACTIVITIES

Data Analyst Intern at the University of Malaya Medical Center (UMMC) | June - August 2023

- Used R to examine the MeLODY dataset (extracted from UMMC hospital database from 17,039 diabetes patients), highlighting gender and ethnicity differences in risk factors, treatment, and target to formulate better treatment strategies for minority groups
- Created linear models predicting age of onset from baseline characteristics to develop a more nuanced designation of onset
- Analyzed longitudinal data to determine the effectiveness of various medication therapies on treatment target attainment
- Participated and presented findings in bi-weekly postgraduate research group meetings to form the groundwork of a research paper to be published next year

Index of Medieval Art Database Assistant | October 2022 – present

- Perform a variety of tasks related to the growth and maintenance of the database for 3-5 hours a week
- Currently working on refining the image classification system to streamline user navigation

Extracurriculars: Safeguards Associate Director, Princeton Varsity Fencing Team, The 'Daily Princetonian' Web Development Team

PROJECTS

AI Spanish Language Tutor (ongoing)

- Leverage the ChatGPT API, Python, Flask, and PostgreSQL to create an application that allows professors to input prompts and students to converse with the chatbot through short passages of written text, as well as receive corrections
- Addresses the common challenge in language education of providing meaningful and timely feedback to students
- Stretch goals include turning it into a mobile web app to improve user experience, adding a speech-to-text feature for oral communication practice, and implementing statistical analysis to give instructors greater insight into student performance

Unroll (study application) | *https://github.com/tinneym/unroll_app*

- Used React.js to create an app that generates a random study spot on campus for the user to walk to whenever a study session ends, enabling students to break up long work sessions with physical movement and explore campus
- Implemented responsive design so that the app can be accessed on both desktop and mobile devices

NON-ACADEMIC ACHIEVEMENTS

- Placed 2nd at the 2022 NCAA Mid-Atlantic/South Regionals for Women's Foil and qualified for 2022 NCAA's
- Women's Mid-Atlantic/South All-Region First Team 2022

SKILLS

- Languages: Java, Python, C, R, HTML, CSS, JavaScript, and SQL
- Fluent in English and advanced communication levels in French; conversational Cantonese skills
- Experienced with machine learning, React.js, Git, Flask, PostgreSQL, Adobe Creative Suite, and Tableau