Megan Tran

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https://github.com/MeganTran6023

EDUCATION

University of South Florida

Bachelor of Science in Biomedical Sciences and Psychology   May 2024

Cumulative GPA: 3.94

SKILLS

Programming:	Python, Python3, HTML, C++, R, Shell
Technologies/Environments:	Visual Studio Code, Jupyter Notebook, Linux, Git Bash

WORK EXPERIENCE

Research Assistant, Templeton Research Group, Tampa, FL   May 2024 – Present
- Apply machine learning algorithms including PCA, Random Forest, and KNN to investigate relationships between features in concussion dataset.

Undergraduate Research Assistant, van der Vaart Research Group,   Sep 2023 – Present
Tampa, FL
- Implement data analysis techniques on DNA simulations using Shell and Python.
- Identify trends in parameters that caused uracil-DNA flipping from collected datasets.
- Present findings at weekly meetings and to graduate students and professors at conferences.

Chemistry and Calculus Tutor, University of South Florida, Tampa, FL   Sep 2022 – May 2024
- Utilized new teaching strategies to assist 20+ students understand general chemistry, organic chemistry, and calculus topics.
- Collaborated with 5 other tutors in both clearly explaining concepts to students and providing a positive environment for learning.
- Organized mini-lessons for multiple students needing assistance with a common topic.

PROJECTS

Principal Component Analysis on Malaria Dataset, USF Codeathon   2023
- Preprocessed malaria dataset to then attempt PCA analysis for the determination of specific genotypes of malaria-infected patients.

LEADERSHIP AND AFFILIATIONS

- **Member**, Toastmasters, South Tampa Chapter   Sep 2022 – Present
- **Member,** Girls Who Code, USF   Feb 2023 – Present
- **Treasurer**, Toastmasters, USF Chapter   Nov 2021 – Aug 2022

HONORS AND AWARDS

- USF Honors Scholarship (Community Service and Global Experience)   Aug 2022
- USF Director's Award   Aug 2020
- Florida Bright Futures Scholarship   Aug 2020