Tina Tran

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https://www.linkedin.com/in/tinaungtran/
https://github.com/TTrumpet

Research Interests: Machine Learning, Artificial Intelligence, Reinforcement Learning, Transformers, Neural Networks, Vectorization / Embedding Spaces

Education

University of Central Florida, Burnett Honors College   from Aug 2022 to May 2026

- Bachelor of Science in Computer Science, Mathematics Minor

  GPA: 3.79

University of South Florida   from Aug 2020 to Jun 2021

Relevant Coursework

Undergraduate Honors Thesis | EEL 4970H   from Jan 2024 to May 2024

Honors Directed Reading I | EEL 4903H   from Aug 2023 to Dec 2023

Advanced Data Structures | COP 3503   from Aug 2023 to Dec 2023

Databases: Relational Databases and SQL   from Feb 2023 to Mar 2023

Honors Introduction to Discrete Structures | COT 3100H   from Jan 2023 to May 2023

- Final Project: Compared two neural networks, one built entirely from scratch and one built using the PyTorch framework, both trained on the MNIST database

Machine Learning Specialization   from Sep 2022 to Nov 2022

Honors Data Structures | COP 3502H   from Aug 2022 to Dec 2022

Research Experience

from Aug 2023   *Expandable Music Recommendation using a Joint Embedding Space*
University of Central Florida, Department of Computer Science
Thesis Chair: Dr. Rickard Ewetz

from Jan 2023   *A Reinforcement Learning Method for Solving the Inverse Acoustic Scattering Problem for a Sound-Soft Obstacle*
University of Central Florida, Department of Mathematics
Faculty Mentor: Dr. Carlos Borges

Presentations

Tran, T. (2023, July 21). *A Reinforcement Learning Method for Solving the Inverse Acoustic Scattering Problem for a Sound-Soft Obstacle* [Poster Presentation]. 2023 University of Central Florida Summer Poster Showcase, Orlando, FL, United States.

Publications

Tran, T. (2023 May). *Artificial Intelligence: Now and Beyond*. América Magazine. (revising for resubmission)

Tran, T. (2023, March 27). *What Makes You Healthy Contest Winner Reports*. Reach out Recovery. https://reachoutrecovery.com/what-makes-you-healthy-contest-winner-reports/

Professional Experience

Software Engineering Intern at Clare Controls branch of Snap One   from May 2023 to Jul 2023
- Presented 2 demos on UI changes
- Reported 8+ bugs
- Wrote 220+ lines of Python, 20+ lines of Golang, 75+ queries from Redash Data Lake
- Created an events documentation website

Backend developer for SwampHacks IX Hackathon   Jan 2023
- Contributed a content-based video game recommender using scikit-learn

Top 30 Contestant at Buckeye Programming Competition   Oct 2022

Contestant at Mount Allison Programming Showdown   Sep 2022

Song Recommendation Lead for "Multus Medium"   from Sep 2022 to Sep 2023
- Analyzed 7+ research papers on state-of-the art AI recommendation methods
- Led a sub team of 4+ students to construct a user-based system

Member of Google Developer Student Club   from Aug 2022
- Coded a web scraping program in Python using BeautifulSoup and selenium libraries
- Developed a simple miniDiscord program with Golang

Final Round Contestant at UCF Local Programming Contest   Aug 2022

Skills / Certifications

Computer Languages: Golang, SQL, C, Java, Python, JavaScript
Computer Frameworks: PyTorch, Scikit-learn
Certificate of Research Readiness   Aug 2022
Kung Fu Brown Belt   from Jul 2019
Trumpet   from Aug 2017

Honors / Awards

Tau Beta Pi Member	Nov 2023
Honors Undergraduate Thesis Scholarship	Oct 2023
Research and Mentoring Program	Oct 2023
Summer Undergraduate Research Fellowship, Track 1	May 2023
Dean's List for Spring 2023	Sep 2023
Martin Plaehn Scholarship Recipient	May 2023
Golden Key Honor Society Member	Feb 2023
President's Honor Roll for Fall 2022	Feb 2023
Phi Eta Sigma Honor Society Member	Jan 2023
Knights of Distinction Member	Jan 2023
Provost Scholarship Award Recipient	Aug 2022
Florida Bright Futures Academic Scholar	Aug 2022
2022 Launching Leaders in the Arts Competition Winner	Apr 2022
National Merit Commended Student	Sep 2021
2021 Rotary Healthy Teens Art/Media Competition Runner-up	Sep 2021