Teresa Maria LEE

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EDUCATION

University of Michigan **Aug 2020 – Present**
Bachelor of Science in Engineering (Computer Science), Minor in Economics *Ann Arbor, MI*

- Current GPA: 3.83/4.00
- Expected graduation: May 2024
- Three terms Dean's list (GPA higher than 3.5), Three terms University Honors (GPA higher than 3.5)
- Related coursework: Foundations of Computer Science (EECS 376), Applied Computational Machine Learning (EECS 298), Data Structures and Algorithms (EECS 281), Programming and Data Structures (EECS 280)
- Member of the College of Engineering Honors Program

RESEARCH AND INTERNSHIP EXPERIENCE

Undergraduate Research Assistant, with Professor Xinyu Wang **Sep 2021 – Dec 2021**
University of Michigan, Department of Electrical Engineering and Computer Science *Ann Arbor, MI*

- Developed fake data generator for large tables (1M rows) using Python with customization to specific problem scenarios from Leetcode in team of three
- Collected and analyzed memory usage and runtime of PostgreSQL queries on generated database to determine query efficiency, providing data for future research work on code optimization

Undergraduate Research Assistant, with Professor Francesca Schironi **Oct 2020 – Apr 2021**
University of Michigan, Department of Classical Studies *Ann Arbor, MI*

- Created 20+ digital illustrations of ancient astronomer Ptolemy's star constellations with Illustrator and Photoshop to visualize corresponding figures for educational website
- Organized and visualized data on constellation properties to help determine orientation rules of author and accuracy of translated documents to aid future study

Student Research Assistant, with Research Assistant Professor Kyle Chard **Jul 2019 – Aug 2019**
University of Chicago, Center for Data and Computing *Chicago, IL*

- Built user interface of "serverless computing" project "funcX" from scratch with Python and HTML, providing an established platform for future functionalities in addition to allowing users to read, write, edit, and execute functions on registered endpoints
- Established interface compatibility for mobile devices using Bootstrap, providing users an alternative to control execution of complex functions on mobile devices instead of a supercomputer

Student Intern **Aug 2018**
ChickenSoup Foundation *Hong Kong*

- Redesigned website on WordPress and reformed social media accounts (Instagram, Facebook) to promote work of charitable organization in a more easily comprehensible way in hope of raising funds to expand service target
- Researched for and organized relevant social welfare data on Excel to visualize impact of organization on targeted underprivileged families

LEADERSHIP EXPERIENCE

Peer Mentor **Aug 2021 – Present**
Michigan Research and Discovery Scholars (MRADS) *Ann Arbor, MI*

- Mentored 5 freshmen by providing tailored guidance in support of academic pathway and university career
- Hosted community-wide events for 150+ to facilitate bonding among students while leading team of 3

Study Group Leader for Introductory Programming Class (ENGR 101) **Sep 2021 – Present**
Michigan Research and Discovery Scholars and Women in Science and Engineering *Ann Arbor, MI*

- Provided academic support to students in joint-community through weekly study sessions and office hours
- Conducted small-sized study groups with targeted feedback for 5+ students to help consolidate knowledge

SKILLS

- C++, Python, Julia, C, Matlab
- PostgreSQL, MySQL
- Microsoft Excel, jupyter notebook
- English (Fluent), Chinese (Native), Spanish (Beginner)
- Multi-class classification, deep neural nets
- HTML, CSS, GitHub, Linux