

Aleksandra (Teng) Ma

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Education

Georgia Institute of Technology

Aug 2023–May 2025

Master of Science in Music Technology | GPA: 4.0/4.0

Atlanta, GA

Relevant Coursework: Audio Content Analysis, Audio Software Engineering, Statistical Machine Learning, Digital Signal Processing, Music Cognition and Perception, Interactive Music

University of California, Berkeley

Aug 2016–May 2020

Bachelor of Arts in Statistics; Bachelor of Arts in Data Science | GPA: 3.64/4.0

Berkeley, CA

Relevant Experiences

Georgia Tech, Music Informatics Lab | Advisor: Dr. Alexander Lerch

Sep 2023–Present

Few-Shot Learning for Music Classification

Atlanta, GA

- Explore few-shot learning to expand trained base classifiers to recognize novel classes with audio-based pre-trained music classification models and generic audio embeddings
- Test and evaluate results on music auto-tagging tasks and other long-tail problems

Automatic Performance Assessment Analysis

- Parse and clean audio and rating data of 2300 students in the Florida Bandmasters Association auditions
- Implement an SVM model to automatically segment individual audition exercise clips in a long recording

Georgia Tech School of Music

Aug 2023–Present

Graduate Assistant in Marketing and Communications

Atlanta, GA

- Develop and execute email, social media, Google Ad campaigns, and maintain the school website content
- Drove a 52% increase in the School of Music Instagram followers and a 48% increase in LinkedIn followers

MusicMind | The Sound of AI Accelerator

May 2023–Jan 2024

Technical Co-founder

Remote

- MusicMind is a fully customizable music tagging solution that learns from music catalog owners' tag taxonomy
- Built MVP and website, held customer interviews, mentored by Xavier Serra, Jon Nordby, and Alexi Rabadam

Independent Music Generation Project

Dec 2022

Lo-fi Music Web-Player with AI-generated Tracks ([Github Repo](#))

Remote

- Built an interactive lo-fi music [web-player](#) which allows users to assemble drum, ambience, and melody options
- Implemented AI solo tracks using an LSTM network and pre-coded melody options using Tone.js
- [Documentation](#) featured as an Editor's Pick on Towards Data Science

Professional Experiences

Deloitte

Jan 2021–May 2023

Analytics Consultant, Cyber and Strategic Risk

San Francisco, New York

- Created and deployed both rule-based and machine learning text normalization pipelines for 190+ TV and movie productions, resulting in a 60% decrease in data processing time and a 15% decrease in data entry errors
- Managed and normalized 15,000+ cost account names and 30,000+ ledger transactions using Python and SQL
- Led a team of 5 offshore members to build and deploy 6 Tableau dashboards and provided biweekly trainings to Production Finance Executives on Tableau navigation and tooling

Advisory Intern, Risk Intelligence and Market Research

Summer 2018, Summer 2019

Skills

Programming Language: Python, SQL, JavaScript, Rust, R

Frameworks/Libraries: PyTorch, TensorFlow, Librosa, Music21, React.js