

# Amy Zhang

Data Scientist & Creative Technologist

*Applying data science and AI to challenges across healthcare, creative industries, and civic innovation*

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**Data Portfolio:** [amyzhang-commits.github.io](https://amyzhang-commits.github.io)

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## TECHNICAL SKILLS

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**Programming & Analysis:** Python, SQL, Jupyter Notebooks, Statistical Analysis

**Visualization & Reporting:** Tableau, Excel, GitHub

**Design & Media:** DaVinci Resolve, Reaper (audio editing), Notion

**Research Methods:** Ethnographic methodology, Geospatial analysis, Historiography

**Languages:** French (conversational), Portuguese (conversational), Mandarin (conversational), Spanish (reading)

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## EDUCATION

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**Data Analytics Certification** (Machine Learning Specialization) Aug 2024 - Aug 2025  
CareerFoundry

**M.Phil Architecture Theory & History** 2012 - 2019  
Columbia University GSAPP

**M.A. Ethnomusicology** 2010 - 2012  
Columbia University

**B.A. Anthropology** 2006 - 2010  
University of North Carolina at Chapel Hill  
Robertson Scholar

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## WORK EXPERIENCE

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**Founder & Data Consultant** | Appearouette Studio Jul 2025 - Present

- Launching independent practice focused on applying AI and data science to healthcare, the arts, and mission-driven sectors

- Developing initial pro-bono case studies in: medical practice optimization, creative industry automation, thermal system analysis in arts facilities (e.g., cooling optimization in studios)

- Authoring a white paper on digital infrastructure and automation needs of small arts organizations, with a focus on ethical AI integration and data sovereignty

**Graduate Research Fellow** | Columbia University 2013 - 2019

- Mellon-funded initiative: Sawyer Seminar for Global Language Justice; facilitated interdisciplinary research teams and moderated panel discussions

- Led graduate seminars across 7 courses in 2 departments; managed cohorts of 15-25 students

- Conducted ethnographic research on technology adoption in architecture design; co-designed accessibility methodology for public spaces

**Research Assistant** | Natural Materials Lab, Columbia University 2021 - 2022

- Co-authored "Can We Eat Buildings? Reflections on Edible Earth Architecture" published in ArchDaily

**Digital Learning Specialist** | Science & Engineering Library, Columbia University 2014 - 2017

- Designed Arduino-based interactive systems; managed emerging technology programming for students (3D printing; microcontrollers; VR)

**Freelance Musician & Videographer** | Brooklyn, NY 2022 - Present

- Dance Accompanist for Mark Morris Dance School, Barnard College, and New York Theatre Ballet
- Music Educator: Concept Music School (2021-2023); private studio (2024-present)
- Community Workshops: Lunar New Year recital w/Immigrant Social Services, Inc; vocal workshops
- Video work includes sound design for The Architecture Lobby (Graham Foundation documentary) and videography for Brooklyn Motion Capture