

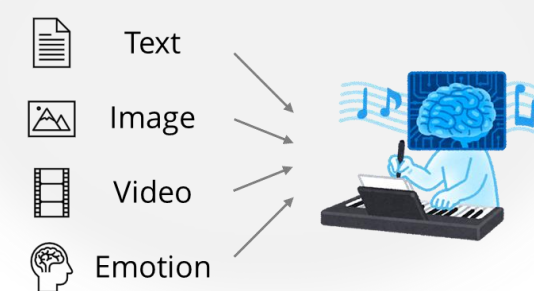
## Introduction

My research aims to *empower music creation with machine learning*. I build intelligent systems that learn to compose, arrange and synthesize music. My goal is to *lower the barrier of entry for music composition and democratize music creation*.



## Future Directions

Multimodal controllable music generation



AI for Music  
New technology creates new music

Post-production technology for music

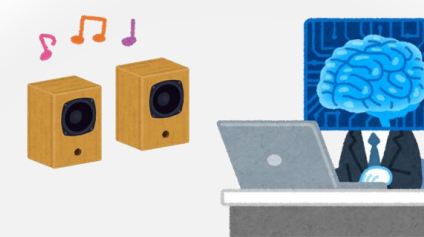


AI Music

Music for AI  
New music inspires new technology



Interactive human-AI music co-creation



Learning music through listening

## About Me



Hao-Wen (Herman) Dong  
PhD Candidate  
Computer Science & Engineering  
University of California San Diego  
Intern at Adobe (formerly Dolby, Amazon, Sony & Yamaha)



Homepage



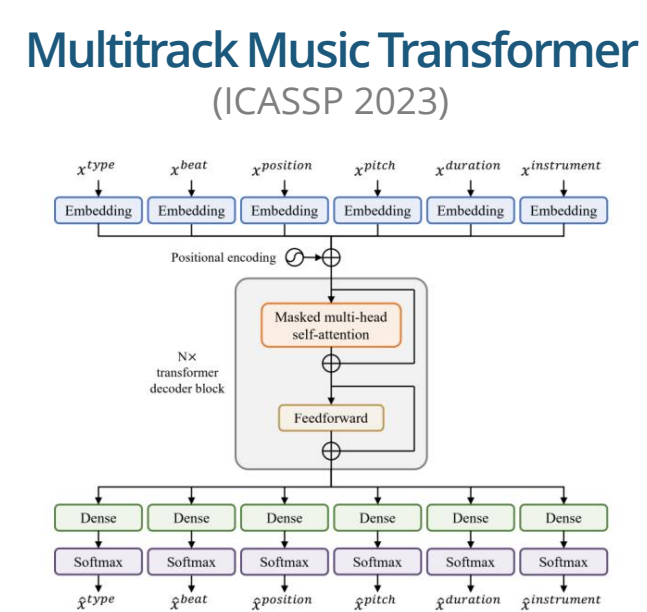
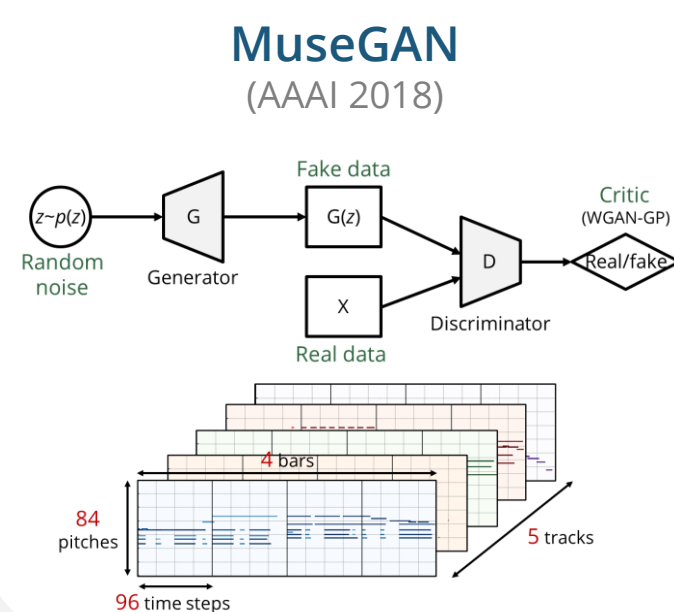
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## Past Research

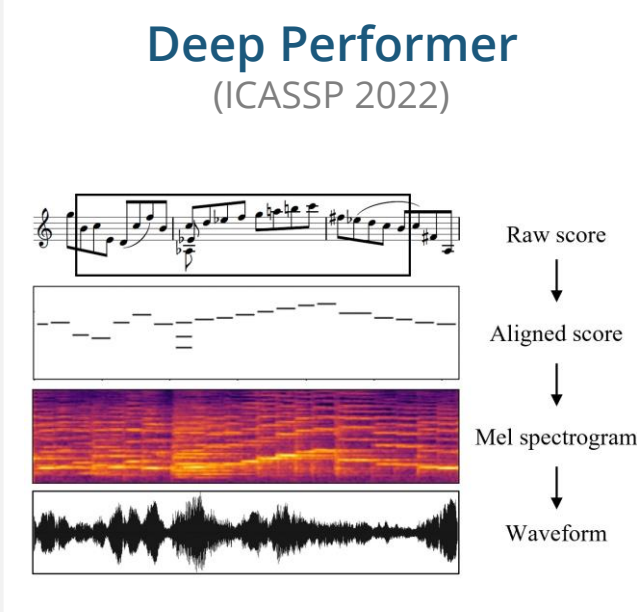
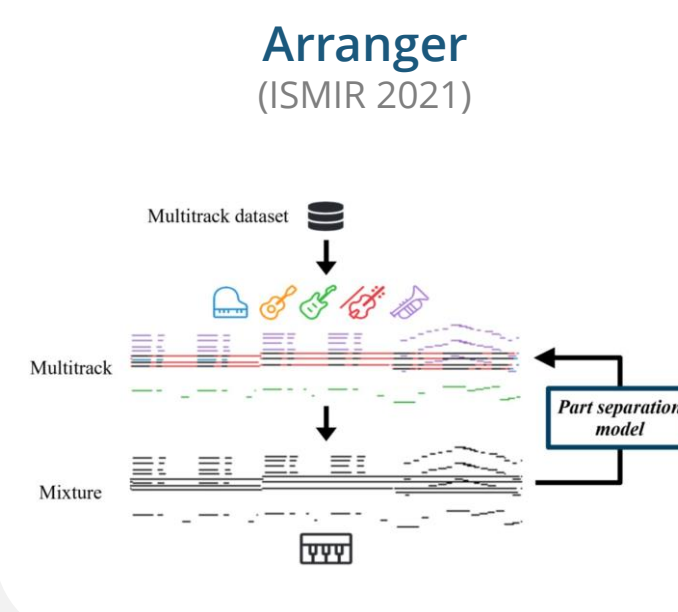
### Multitrack Music Generation

Generating new music contents automatically



### Assistive Music Creation Tools

Assisting humans in creating and performing music



### Self-supervised Learning for Audio & Music

Learning sound separation and synthesis from videos

