

## YUEQIAO ZHANG

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🔗 [LinkedIn](#) | [GitHub](#)

### SUMMARY OF SKILLS

#### Music Skills:

Tools: FL Studio, MuseScore, Audacity, Finale, Reaper, VCV Rack 2, PureData

Expertise: Piano Performance, Perfect Pitch, Composition, Transcription, Digital Production, Arrangement, Songwriting, Conducting

#### Developer Skills:

Programming: Java, Python, C, C++, Ocaml, SQL

Libraries & Tools: FFmpeg, OpenGL, Bash, Git, Docker, Pandas, SPARQL, RDFLib

#### Language:

English, Mandarin (Fluent)

Basic French, Beginner Russian

### EDUCATION

#### Bachelor of Science in Computer Science (2022 - Expected 2025)

##### Minor Music Applications to Technology

McGill University, Montreal, QC

Current GPA: 3.93

#### Related Computer Science courses:

- |                          |                     |                           |
|--------------------------|---------------------|---------------------------|
| • Software Systems       | • Algorithm Design  | (Underway)                |
| • Data Structures        | • Operating Systems | • Machine Learning*       |
| • Functional Programming | • Database Systems  | • Concurrent Programming* |
|                          | • Computer Graphics |                           |

#### Related Music Tech courses:

- |                             |   |
|-----------------------------|---|
| • Fundamentals of New Media | • Physics of Music                          |
| • New Media Production      | • Music Perception and Cognition (Underway) |

#### Related projects:

- |   |   |
|---|---|
| • <b>Reaper</b> Soundtrack panning  | • <b>PureData</b> Synthesizer design                |
| • <b>FL Studio &amp; PureData</b> Song Production with self-designed synths | • <b>VCV Rack 2</b> Acoustic Instruments simulation |

#### Double DEC in Music and Applied Science (2019 - 2022)

College Marianopolis, Westmont, Canada

R-Score: 32.4

### AWARDS AND ACCOMPLISHMENT

#### Piano Performance

- Level 9 (Highest) at Chinese Central Conservatory, 2013
- Level 10 at Canadian Royal Conservatory, 2018, Final Grade 84

**Mary and Peter Hobley Memorial Bursary Recipient, 2019**

## PROFESSIONAL EXPERIENCE

### Research Assistant (May 2024 - Present)

McGill Distributed Digital Music Archives & Libraries Lab (DDMAL)

Collaborated with Junjun Cao on LinkedMusic-Datalake under Principal Investigator Ichiro Fujinaga

#### Skills Utilized:

- RDFLib
- SPARQL
- Wikidata
- Pandas
- Docker
- ChatGPT
- Python
- OpenRefine

### Software Developer Intern (July - Sept 2022)

LightWave Technology, Montreal

### Private Piano Tutor (2016 - 2023)

West Island and Downtown, Montreal, Canada

## ADDITIONAL TRAINING

### Classical Piano Performance Courses

- Marianopolis Music Performance Lessons, McGill Schulich School of Music, Julia Gavrilova
- Private Lessons: Yinqi Zhu (Montreal) and Jing Hao (China)

## LEADERSHIP & VOLUNTEERING

### Co-President & Head Music Arranger (2022 - 2024)

McGill Chinese Orchestra (MCO)

Known as MCSMS (McGill Students Chinese Music Society)

2022 Oct - 2024 Oct

#### Arranged Pieces for Chinese Orchestra:

- *Lan Ting Xu* 兰亭序
- *Yun Meng Yao* 云梦遥
- *Juan Zhu Lian* 卷珠帘
- *Ding Han Fu* 定汉赋
- *Jiu Er* 九儿
- *Shan Dan Dan Hua Kai Hong Yan Yan* 山丹丹花开红艳艳

#### Organized events and represented MCO in performances such as:

- 2023 McGill CSSA Spring Festival Evening (Piano)
- 2024 UdeM CSSA Spring Festival Evening (Conductor)

### Event Department Executive (2022 - 2024)

McGill Chinese Students and Scholars Association (CSSA)

### Community Volunteering (2017)

Manoir Nursing Home, Beaconsfield, QC

- Improvised and performed piano pieces for elderly residents

## Competitions

Kaggle Titanic Data Science Challenge (*In Progress*)