

## **Jacob deGroot-Maggetti**

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<https://github.com/jacobdgm>

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### **Programming Languages**

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- Proficient in Python
- Experience with JavaScript, shell scripting, HTML and CSS

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### **Education**

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**2019—Present: Masters in Music Theory Candidate, McGill University, Montreal, QC**

- Researching the rhythmic and metric features of the music of Canadian fiddle player Oliver Schroer
- Courses: Mathematical Models for Music Analysis, Proseminar in Music Theory, History of Music Theory 1, Schenkerian Theory & Analysis, Music Theory Pedagogy, Pedagogy of Post-Tonal Theory and Analysis, Modal Counterpoint II, Music and Disability

**2011—2017: Bachelor of Arts Degree in Honours Music with Distinction, University of Waterloo, Waterloo, ON**

- Intensive Music Specialization
- Minor in Geography and Environmental Management
- Courses: Music Theory 1-4, Music History 1-4, Jazz Harmony (Wilfrid Laurier University), Special Topics Course in Choral Music, Choral Conducting 1-2, Music Cognition, Composition Seminar, Aesthetics of Music, Introductory Latin 1-2, Intermediate Latin, Fluvial Geomorphology, Geomorphology and the Southern Ontario Environment

**2006—2011: Cameron Heights Collegiate Institute, Kitchener, ON**

- International Baccalaureate (IB) Diploma

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### **Employment Experience**

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**May 2022—Present: Software Developer—SIMSSA, McGill University**

- Working to rebuild CANTUS Database using Django

**2012—2021: Self-Employed as Music Teacher**

- Taught violin, guitar, mandolin and beginner piano

- 2020—2021: Teaching Assistant—Theory and Analysis 1, McGill University**
- Taught 1.5-hour tutorial and held office hour each week during Fall 2020 and Fall 2021 terms
  - Graded and provided feedback for student assignments

- 2015—2019: Research Assistant—CANTUS Database, University of Waterloo**
- Transcribed neumes and Latin texts into online plainchant database

- 2015—2019: Music Director—St. Joseph's Catholic Church, Kitchener, ON**
- Directed adult choir, coordinated music for three weekly masses, additional services

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### Volunteer Experience

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- 2014—2019: Volunteer—Hep Cats Swing Dance Studio**
- Hosted weekly open jazz jam sessions

- 2016—2019: Director—Ad Hoc, Post Hoc and Propter Hoc Chamber Choirs**
- Co-directed chamber choir in Spring 2016 term, directed chamber choirs in Spring terms of 2017, 2018 and 2019

- 2016—2017: Vocal Director—Conrad Grebel Student Council production of *The Music Man***
- Auditioned cast members, planned and led rehearsals, and coordinated accompanists

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### Other Experience

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- May—August 2021: Participant, Recurse Center**
- Attended full-time, unstructured programming workshop
  - Collaborated and pair-programmed with others on a range of personal projects in a variety of languages
  - Worked with another participant to train a neural network based on GPT-2 to generate melodies in the style of traditional Irish dance tunes
  - Worked with another participant to build a tool to explore interlocking patterns found in Balinese gamelan music
  - Participated in personal interest groups in Python, development tools, knowledge management systems, and other topics

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## Publications

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- Jacob deGroot-Maggetti, Timothy R de Reuse, Laurent Feisthauer, Samuel Howes, Yaolong Ju, Suzuka Kokubu, Sylvain Margot, Néstor Nápoles López, Finn Upham. 2020. "Data Quality Matters: Iterative Corrections on a Corpus of Mendelssohn String Quartets and Implications for MIR Analysis." In *Proceedings of the 21st International Society for Music Information Retrieval Conference, Montréal, 2020*. <https://doi.org/10.5281/zenodo.4245460>.

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## Honours and Awards

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<b>2020—2021:</b>	<b>Canada Graduate Scholarship (Master's), Social Sciences and Humanities Research Council (SSHRC)</b>
<b>2019—2020:</b>	<b>Graduate Excellence Award, McGill University</b>
<b>2019—2020:</b>	<b>Herbert A. Morse Memorial Scholarship, McGill University</b>
<b>2019—2020:</b>	<b>Marianna Eaton Scholarship, McGill University</b>
<b>2011—2017:</b>	<b>Dean's Honours List, University of Waterloo</b>
<b>2016—2017:</b>	<b>Faculty of Arts Distinguished Academic Achievement Award, University of Waterloo</b>
<b>2015—2016:</b>	<b>Music Award, Conrad Grebel University College</b>
<b>2013—2015:</b>	<b>Faculty of Arts Upper-Year Scholarships, University of Waterloo</b>

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## Competencies and Interests

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### Languages

- Native English speaker; working understanding of French and Latin

### Interests

- Early music, Irish traditional music, Balinese gamelan music, jazz
- Linguistics, mathematics, meta-learning and pedagogy
- Hiking, cycling, ultimate disc