

YULIA DRAGINDA

 yulia.draginda@mail.mcgill.ca  <https://draginda.org/>

PROFESSIONAL SUMMARY

Aspiring data scientist and music technology researcher working on interdisciplinary projects in music information retrieval, computer simulation of expressive performance and artificial intelligence. International concert organist touring across Europe, Canada and the USA.

WORK EXPERIENCE

Collaborative Researcher

CIRMMT (Montreal, Canada), 05/2019 – Present

- Developed and analytically evaluated a mathematical model of expressive performance timing (Matlab, regression analysis).
- Conducted an online listening experiment for empirical evaluation of the model (HTML/CSS/JS, C#/.NET).
- Performed a statistical analysis of the experimental results and determined a significant effect of the temporal elasticity factor on the listeners' perceived expression (Python, SPSS, Matlab, statistics).
- Collected and labelled an entire dataset, then built an AI-based model with the best-achieved accuracy of 96% to replace the required human-made music score analysis (Python, Machine learning).

Research Assistant

McGill University, ACTOR project (Montreal, Canada), 07/2021 – 10/2021

- Encoded the orchestration layers, timbral features and formal units from audio data.

Research Scientist

Shubnikov Institute of Crystallography RAS, 11/2009 – 01/2018

- As a member of the Liquid Crystals Lab in a team of 10, significantly contributed to the realization of three major research projects funded by RFBR and RSF funding agencies.

EDUCATION

Postgraduate Diploma in Data Science and Deep Learning

University of Artificial Intelligence, Wilmington/Moscow
(part-time remote program) 03/2021 – Present

Doctor of Music

McGill University, Montreal, Canada 09/2017 – 10/2021

Master of Arts (with honors)

Musik-Akademie, Basel, Switzerland 10/2013 – 07/2015

Ph. D. in Physics and Mathematics

Russian Academy of Sciences, Moscow 09/2008 – 05/2013

Diploma cum laude in Organ performance

Moscow State Tchaikovsky Conservatory 09/2005 – 06/2010

Diploma cum laude in Physics

Moscow Lomonosov State University 09/2002 – 06/2008

SKILLS

General

Data Science
Deep learning
Machine learning
Python (NumPy, SciPy, Matplotlib, scikit-learn, pandas)
Keras, TensorFlow
Matlab, SPSS, OriginLab
Basic front-end web dev (HTML/CSS/JS/Bootstrap/WordPress)

Music-specific

LogicPro X, Praat, Sonic Visualiser, Tempogram, BeatRoot
libROSA, Essentia, pydub, pyAudioAnalysis

Languages

English (advanced)
German (intermediate)
French (intermediate)

Hobbies

Hiking (▲Elbrus 5642m), figure skating, travels

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CERTIFICATIONS

- Stanford University Machine Learning Certificate (2020)
- DeepLearning.AI Specialization Certificate in Deep Learning (2020)
- Postgraduate Certificate in organ improvisation, Stuttgart University of Music and the Performing Arts, Germany (2012 – 2014)

SCHOLARSHIPS

- FRQSC grant for doctoral studies, Montreal, Canada, 2019 – 2021
- Schulich Scholarship and Graduate Excellence Award, McGill University, Montreal, Canada, 2017 – 2020
- Scholarship of the City of Basel Music Academy, Switzerland, 2013 – 2015
- Rotary-club Scholarship, Stuttgart, Germany, 2012
- KAAD Scholarship, Stuttgart, Germany, 2012
- Twice Scholar of the Russian Ministry of culture (1999 and 2000)

PRIZES AND AWARDS

Research Prizes:

- CIRMMT Student Award, McGill University, Montreal, Canada, 2019
- 2. Prize at the ICRAS Competition for junior research projects, Schubnikov Institute of Crystallography, Russian Academy of Sciences, Moscow, Russia, 2009

Performance prizes:

- Recitals competition of the Hans-Balmer-Foundation, Basel (Switzerland), June 2015: Concert Prize for the best organ recital
- V. International Franz Schmidt Organ Competition, Kitzbühel (Austria), October 2014: Honored Diploma (Finalist)
- Organ competition by the N. L. Bidloo Festivals in Moscow (Russia), June 2009: 2. Prize
- I. International Competition of the young organists «Soli Deo Gloria», Moscow (Russia), July 2007: Concert Prize
- International Competition by the Festival “Music without limits” in Druskininkai (Lithuania), August 2005: 2. Prize
- International Competition of the cultural Geminiani - Association in Pietra Ligure (Italy), May 2000: 1. Prize
- International Irineu Segarra Competition (Spain), May 1998: 2. Prize
- XII. European Competition in Moncalieri (Italy), October 1997: 1. Prize (absolute)
- International European Manuel Oltra Piano competition, Berga (Spain), May 1997: 1. Prize (absolute)

PERFORMANCE CAREER

- From 2002 to present: Active concert activity across the Russian cities, Germany, Switzerland, Spain, Italy, Poland, the USA and Canada. Among others, worked together with Basel symphony orchestra (Switzerland), symphony orchestra and choir of the “Helicon”-Theatre (Moscow, Russia), brass ensemble under the direction of Wolfgang Bauer (Stuttgart, Germany), jazz orchestra “VolgaOrchestra” (Volgograd, Russia), and baroque ensemble “Alta Capella” (Moscow, Russia).
- From 2012 to present: Liturgic work experience as the Head Organist at the St. Peter Lutheran church in Murr-an-den-Murr (Germany), Lutheran Christ church in Stuttgart (Germany), Catholic Christ the King church in Turgi (Switzerland); Titular Organist at the Saint-Lawrence Catholic church in Montreal (Canada); Main Organist at the St. John the Evangelist Anglican Church in London (Canada).

🎵: Has an extensive concert repertoire, from Renaissance to Avantgarde, with the main focus on German Baroque and late Romantic organ music; produced several TV- and radio recordings.

🎧: <https://www.youtube.com/c/DragindaOrganmusic>