

Curriculum Vitae

Personal information



First name(s) / Surname(s) **Ladislav Maršík**
Address Argentinská 772/3, 170 00 Prague (Czech Republic)
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Nationality Slovak
Date of birth 17 November 1988

Education

Dates September 2013 – September 2019
Title of qualification Doctor of Philosophy (Ph.D.), Doctor of Natural Sciences (RNDr.)
Principal subjects / occupational skills covered Music Information Retrieval
Name and type of organisation providing education and training Charles University, Prague (Czech Republic)

Dates September 2007 – June 2013
Title of qualification awarded Bachelor (B.Sc.), Master (M.Sc.)
Principal subjects / occupational skills covered Informatics
Name and type of organisation providing education and training Comenius University, Bratislava (Slovakia)

Internships

Principal subjects / occupational skills covered June – August 2016: Music Information Retrieval (LLP Erasmus - PhD internship)
 September 2012 – January 2013: Informatics (LLP Erasmus)
Name and type of organisation providing education and training University Bordeaux 1, LaBRI (France)

Mother tongue(s) **Slovak**

Other language(s)

Self-assessment European level (*)

English French (certified)

Computer skills and competences

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
B1	Advanced User	B1	Advanced User	B1	Advanced User	B1	Advanced User	B1	Advanced User

(*) [Common European Framework of Reference \(CEF\) level](#)

Programming: Ruby, Java, occasional use: Python, C++
Web design: Ruby on Rails, PHP, MySQL, PostgreSQL, XHTML, CSS, front-end frameworks
Other: LaTeX, Linux OS (Bash), design: Gimp, Inkscape

Publicatons

Academic journals:

L. Maršík, P. Martišek, J. Pokorný, M. Rusek, K. Slaninová, J. Martinovič, M. Robine, P. Hanna, and Y. Bayle. KaraMIR: A project for cover song identification and singing voice analysis using a karaoke songs dataset. *International Journal of Semantic Computing*, 12(4):501–522, 2018. <https://www.worldscientific.com/doi/abs/10.1142/S1793351X18400202>

Conference proceedings:

Ladislav Maršík. Student Research Abstract: Using Chord Distance Descriptors to Enhance Music Information Retrieval. In *Proceedings of the 32nd Annual ACM Symposium on Applied Computing, SAC 2017*. ACM, 2017a. <https://dl.acm.org/citation.cfm?id=3019939>

L. Maršík, M. Rusek, K. Slaninová, J. Martinovič, and J. Pokorný. Evaluation of Chord and Chroma Features and Dynamic Time Warping Scores on Cover Song Identification Task. In *Proceedings of the 16th IFIP International Conference on Computer Information Systems and Industrial Management*. Springer, 2017. https://link.springer.com/chapter/10.1007/978-3-319-59105-6_18

Y. Bayle, L. Maršík, M. Rusek, P. Hanna, K. Slaninová, J. Martinovič, and J. Pokorný. Kara1k: a karaoke dataset for cover song identification and singing voice analysis. In *The 19th IEEE International Symposium on Multimedia, ISM 2017*. IEEE, 2017. <http://ieeexplore.ieee.org/document/8241597>

Ladislav Maršík, Jaroslav Pokorný, and Martin Ilčík. Towards a Harmonic Complexity of Musical Pieces. In *Proceedings of the Dateso 2014 Annual International Workshop on Databases, Texts, Specifications and Objects*, volume 1139 of *CEUR Workshop Proceedings*. CEUR-WS.org, 2014a. <http://ceur-ws.org/Vol-1139>

Ladislav Maršík. harmony-analyser.org - Java Library and Tools for Chordal Analysis. In *Proceedings of 2016 Joint WOCMAT-IRCAM Forum Conference, WOCMAT 2016*. Kainan University, 2016. <http://www.harmony-analyser.org/download/paper-wocmat2016-harmony-analyser.pdf>

Ladislav Maršík, Jaroslav Pokorný, and Martin Ilčík. Improving Music Classification Using Harmonic Complexity. In *Proceedings of the 14th Conference Information Technologies - Applications and Theory - Workshops and Posters, ITAT 2014*. Ústav informatiky AV ČR, 2014b. http://artax.karlin.mff.cuni.cz/bajel3am/it2014/local/13_Marsik.pdf

Ladislav Maršík, Jaroslav Pokorný, and Martin Ilčík. A Survey on Music Retrieval Systems Using Microphone Input. In *Proceedings of the Dateso 2015 Annual International Workshop on Databases, Texts, Specifications and Objects*, volume 1343 of *CEUR Workshop Proceedings*. CEUR-WS.org, 2015. <http://ceur-ws.org/Vol-1343>

Ladislav Maršík. Analysing Musical Pieces Using harmony-analyser.org Tools. In *Proceedings of the Dateso 2017 Annual International Workshop on Databases, Texts, Specifications and Objects*, 2017b. <http://www.cs.vsb.cz/dateso/sbornik/dateso17-prews.pdf>

Awards

ACM SRC Winner (Apr 2017)

Participated and won 1st place out of 50 submissions at ACM Student Research Competition sponsored by Microsoft. At SAC 2017, Marrakech, Morocco <https://src.acm.org/winners/2018>

IEEE Honorable Mention (Dec 2017)

Honorable Mention for 6 best papers from 32 full papers accepted at 23% acceptance rate, in IEEE ISM 2017, Taichung, Taiwan. <http://ism2017.asia.edu.tw/paper-awards>

Joseph Fourier Prize (May 2019)

Prize of the Jury (50,000 core hours on IT4Innovations supercomputer) French Embassy in Prague, Atos <https://www.mff.cuni.cz/cs/verejnost/aktuality/cena-josepha-fouriera>

Work experience

Dates

January 2015 - present

Occupation or position held

Software Engineer at **Represent LLC / CustomInk LLC**, Greater Los Angeles Area, USA

Dates

June 2009 – August 2013

Occupation or position held

Sales representative and Student Manager at **Southwestern Advantage**, Nashville, USA

Artistic skills and competences

Music projects: Leading a latino band in Prague <http://www.lafamiliasalsaband.com>

Music composition: 2 years of composition study at Conservatory Bratislava, Slovakia

Piano: 15 years of classical piano at ZUŠ Kowalského, Bratislava