

# Jaromír Šavelka

## Curriculum Vitae

### Work Experience

- since 2017 **Data Scientist**, REED SMITH LLP and GRAVITY STACK LLC, Pittsburgh.  
I have helped evaluate and develop legal AI systems supporting eDiscovery and due diligence. I have counseled various groups within and outside of the firm on issues involving analysis of large scale data.
- 2013–2018 **Graduate Student Researcher**, LEARNING RESEARCH AND DEVELOPMENT CENTER, UNIVERSITY OF PITTSBURGH, Pittsburgh, PA.  
I focus on semantic processing of unstructured legal data. In my proposed dissertation I work on discovering of sentences for argumentation about meaning of statutory terms.
- 2009–2013 **Lecturer**, SCHOOL OF LAW, MASARYK UNIVERSITY, Brno.  
I have given lectures in Software Law, Information and Communication Technology Law, Intellectual Property Law and Legal Informatics.
- 2009–2013 **Research Assistant**, SCHOOL OF LAW, MASARYK UNIVERSITY, Brno.  
I have participated in a number of EU and national research projects within a field of IP & IT Law. I have regularly participated at conferences such as Cyberspace, JURIX, ICAIL, Bileta or IRIS.
- 2008–2009 **Paralegal**, VAŠÍČEK, FRIMMEL A HONĚK, ATTORNEYS AT LAW, Brno.  
I have been involved in drafting of individual documents including contracts, complaints, appeals and legal analyses.
- 2007 **Summer Intern**, THE OFFICE OF PUBLIC DEFENDER OF RIGHTS, Brno.  
I have been involved in addressing motions that fell within the areas of commercial and civil law (outside of ODPR's scope).
- 2007-2013 **Deputy Editor-in-Chief**, MASARYK UNIVERSITY JOURNAL OF LAW AND TECHNOLOGY.  
I have been managing the reviewing process as well as preparing the individual papers for the publication.
- 2007–2012 **Head of Legal and Financial Department**, STUDENT CYBER GAMES.  
I have been managing the communication with public institutions, drafting partner contracts, book keeping and tax payment.

### Education

- since 2013 **PhD study in Intelligent Systems Program**, *Dietrich School of Arts and Sciences, University of Pittsburgh*, Pittsburgh, PA.  
Specialized in AI and Law, machine learning, text mining
- 2009–2013 **Undergraduate Degree in Computer Science**, *Faculty of Informatics, Masaryk University in Brno*, Brno (CZE).  
Specialized in natural language processing; BA thesis: XML Markup of Legal Documents

- 2004–2009 **Graduate Degree in Law**, *School of Law, Masaryk University in Brno*, Brno (CZE).  
Specialized in IP & IT Law and Legal IT; Masters thesis: Software law
- 2008 **Erasmus Exchange**, *Department of American Law at Catholic University of Lublin*,  
Lublin (PL).  
Specialized in American Law

## Teaching Experience

### Graduate Courses

- 2009–2013 **School of Law**, MASARYK UNIVERSITY, Brno.  
Legal Informatics (CZE)  
Information and Communication Technology Law (CZE)  
Intellectual Property Law (CZE)  
Software Law (EN)  
Media Law (EN)  
Introduction to Cyber Law (EN)  
Information Technology in Legal Practice (CZE)  
Legal Competencies for Public Administration (CZE)  
Information Technology in Public Administration and eGovernment (CZE)  
Legal Aspects of Academic Publishing (CZE)  
Academic Publishing and Free Licenses (CZE)  
Academic Publishing (CZE)  
Legal Informatics in Public Administration (CZE)

### Undergraduate Courses

- 2009–2013 **School of Law**, MASARYK UNIVERSITY, Brno.  
Legal Informatics (CZE)  
Introduction to ICT Law (CZE)  
Media Law (CZE)  
Legal Databases and Legal Information Systems (CZE)

## Awards

- 2016–2018 Graduate Research Fellowship in Science, Technology, Engineering and Mathematics,  
National Institute of Justice.
- 2016 Kenneth P. Dietrich School of Arts and Sciences Fellowship, University of Pittsburgh.
- 2015 Best Student Paper Award at JURIX 2015: Legal Knowledge and Information  
Systems, Braga, Portugal.
- 2015–2016 Andrew Mellon Predoctoral Fellowship, University of Pittsburgh.
- 2015 Grad Expo 2015 Outstanding Presentation Award, University of Pittsburgh.
- 2013–2014 Kenneth P. Dietrich School of Arts and Sciences Fellowship, University of Pittsburgh.

## Selected Publications

### Peer-reviewed Publications

- 2019 Savelka, Jaromir, Huihui Xu, and Kevin D. Ashley. "Improving Sentence Retrieval  
from Case Law for Statutory Interpretation." *Proceedings of the Seventeenth  
International Conference on Artificial Intelligence and Law*. ACM, 2019.

- 2018 Savelka, J., and Ashley, K. D. Segmenting U.S. Court Decisions into Functional and Issue Specific Parts. In *Proceedings of JURIX 2018*.
- 2017 Savelka, J., Walker, V. R., Grabmair, M., and Ashley, K. D. (2017). Sentence Boundary Detection in Adjudicatory Decisions in the United States. *Traitement automatique des langues*, 58(2), 21–45.
- Savelka, J., and Ashley, K. D. Detecting Agent Mentions in US Court Decisions. In *JURIX 2017* (pp. 39–48).
- Harasta, J., and Savelka, J. Toward Linking Heterogenous References in Czech Court Decisions to Content. In *JURIX 2017* (pp. 177–182).
- Jaromír Šavelka,, and Kevin D. Ashley. Using Conditional Random Fields to Detect Different Functional Types of Content in Decisions of United States Courts with Example Application to Sentence Boundary Detection. In *Proceedings of the 2nd Workshop on Automated Detection, Extraction and Analysis of Semantic Information in Legal Texts*. King's College, London, UK, 2017.
- 2016 Jaromír Šavelka, and Kevin D. Ashley. Extracting Case Law Sentences for Argumentation about the Meaning of Statutory Terms. In *Proceedings of the 3rd Workshop on Argument Mining*. ACL, 2016, pp. 50–59.
- 2015 Jaromír Šavelka, Gaurav Trivedi, and Kevin D. Ashley. Applying an Interactive Machine Learning Approach to Statutory Analysis. In Antonino Rotolo. *Legal Knowledge and Information Systems (JURIX 2015)*. Amsterdam: IOS Press, 2015. **[Best Student Paper Award]**
- Jaromír Šavelka and Kevin D. Ashley. Transfer of Predictive Models for Classification of Statutory Texts in Multi-jurisdictional Settings. In Katie Atkinson. *Fifteenth International Conference on Artificial Intelligence and Law (ICAIL 2015)*. New York: ACM, 2015, pp. 216–220.
- Jaromír Šavelka and Jakub Harašta. “Open Texture in Law, Legal Certainty and Logical Analysis of Natural Language”. *Logic in the Theory and Practice of Lawmaking*, Springer, 2015.
- 2014 Kevin D. Ashley, Elizabeth Ferrell Bjerke, Margaret Potter, Hasan Guclu, Jaromir Savelka and Matthias Grabmair. Statutory Network Analysis plus Information Retrieval. In Radboud Winkels and Nicola Lettieri. *Proceedings of NAIL2014*, Krakow, Poland, 2014.
- Jaromír Šavelka, Kevin D. Ashley and Matthias Grabmair. Mining Information from Statutory Texts in Multi-jurisdictional Settings. In Rinke Hoekstra. *Legal Knowledge and Information Systems (JURIX 2014)*. Amsterdam: IOS Press, 2014. pp. 133-142.
- 2013 Matěj Myška and Jaromír Šavelka. A Model Framework for publishing Grey Literature in Open Access. *Journal of Intellectual Property, Information Technology and E-Commerce Law*, Digital Peer Publishing, 2013, vol. 4, issue 2, pp. 104–115.
- Michal Koščík and Jaromír Šavelka. Dangers of Over-Enthusiasm in Licensing under Creative Commons. *Masaryk University Journal of Law and Technology*, Brno: Masarykova univerzita, 2013, vol. 7, issue 2, pp. 201–228.

- 2012 Matěj Myška, Terezie Smejkalová, Jaromír Šavelka and Martin Škop. Creative Commons and Grand Challenge to Make Legal Language Simple. In Monica Palmirani, Ugo Pagallo, Pompeu Casanovas, Giovanni Sartor. *AI Approaches to the Complexity of Legal Systems. Models and Ethical Challenges for Legal Systems, Legal Language and Legal Ontologies, Argumentation and Software Agents*. Berlin, Heidelberg, New York: Springer, 2012, pp. 271–285.
- Michał Araszkievicz and Jaromír Šavelka. Refined Coherence as Constraint Satisfaction Framework for Representing Judicial Reasoning. In Burkhard SchÅdfer. *Legal Knowledge and Information Systems (JURIX 2012)*. Amsterdam: IOS Press, 2012, pp. 1–10.
- Michał Araszkievicz and Jaromír Šavelka. The Quest for Coherence in Judicial Reasoning. *i-lex*, Rome, 2012, vol. 7, issue 17, pp. 173–190.
- 2011 Jaromír Šavelka. Exploring the Boundaries of Copyright Protection for Software: An Analysis of the CJEU-Case C-393/09 on the Copyrightability of the Graphic User Interface. *Medien und Recht International*, Wien: MuR Wien, 2011, vol. 8, issue 1, pp. 11–16.
- Michał Araszkievicz and Jaromír Šavelka. Two Methods for Representing Judicial Reasoning in the Framework of Coherence as Constraint Satisfaction. In Katie M. Atkinson. *Legal Knowledge and Information Systems: JURIX 2011*. Amsterdam: IOS Press, 2011, pp. 165–166.
- Edited Volumes**
- 2014 Michal Koščík, Jakub Harašta, Libor Kyncl, Matěj Myška, Radim Polčák, Václav Stupka and Jaromír Šavelka (eds.). *European ICT Law 2014 Texts, Cases, Materials*. 2014.
- 2013 Jaromír Šavelka, Michał Araszkievicz, Markéta Klusoňová, Matěj Myška and Martin Škop (eds.). *ARGUMENTATION 2013: International Conference on Alternative Methods of Argumentation in Law*. Brno: Masarykova univerzita, 2013.
- Michał Araszkievicz and Jaromír Šavelka (eds.). *Coherence: Insights from Philosophy, Jurisprudence and Artificial Intelligence*. Dordrecht Heidelberg London New York: Springer, 2013. Law and Philosophy Library 107.
- Michal Koščík, Libor Kyncl, Matěj Myška, Radim Polčák, Václav Stupka and Jaromír Šavelka (eds.). *European ICT Law 2013 Texts, Cases, Materials*. Brno: Tribun EU, 2013.
- 2012 Jaromír Šavelka, Michał Araszkievicz, Matěj Myška, Terezie Smejkalová and Martin Škop (eds.). *ARGUMENTATION 2012: International Conference on Alternative Methods of Argumentation in Law*. Brno: Masarykova univerzita, 2012.
- Michal Koščík, Libor Kyncl, Matěj Myška, Radim Polčák, Václav Stupka and Jaromír Šavelka (eds.). *European ICT Law 2012*. Brno: Masarykova univerzita, 2012.
- Michał Araszkievicz, Jaromír Šavelka, Terezie Smejkalová, Matěj Myška and Martin Škop (eds.). *Law and Literature. Argumentation 2012 Workshop Proceedings*. Brno: Masarykova Univerzita, 2012.
- 2011 Martin Škop, Michał Araszkievicz, Jaromír Šavelka, Terezie Smejkalová and Matěj Myška (eds.). *Argumentation 2011*. Brno: MUNI Press, 2011.

Michal Koščík, Libor Kyncl, Matěj Myška, Radim Polčák, Václav Stupka and Jaromír Šavelka (eds.). *European ICT Law – Texts, Cases, Materials*. Brno: Tribun EU, 2011.

### Books and Other Publications

2016 Kevin Ashley and Jaromír Šavelka. Book Review of “Conflict Resolution and its Context From the Analysis of Behavioural Patterns to Efficient Decision–Making by Davide Carneiro, Paulo Novais, Josè Neves, Springer, 2015.” [to appear in *International Journal of Online Dispute Resolution*]

2012 Josef Donát, Martin Maisner, Radim Polčák, Jaromír Šavelka, Matěj Myška a Tereza Kyselovská. *Software Protection – A Comparative Perspective*. München: Medien und Recht, 2012.

Jaromír Šavelka. Economic Rights to Results of Scientific Research and Making the Results Available to the Public. *Proceedings from the Fifth Workshop on Making Grey Literature Accessible*. Praha: NTK, 2012, pp. 1–9.