Peter Ihasz

NLP Researcher
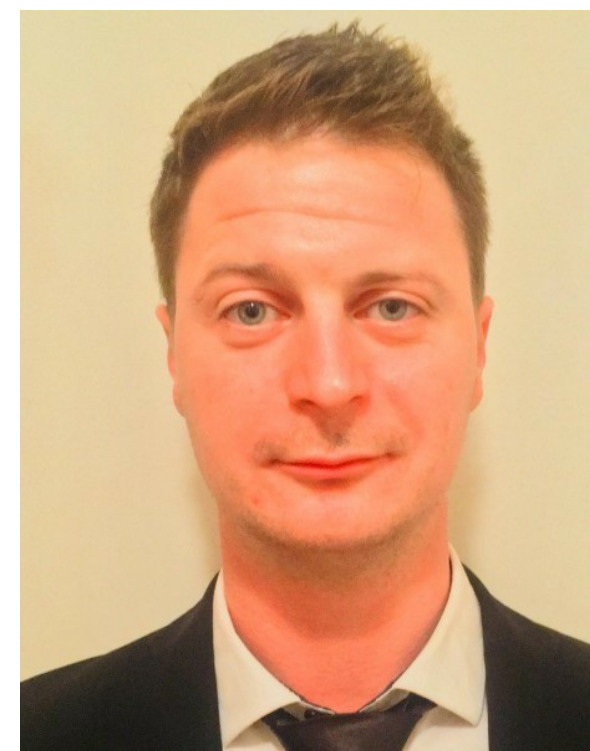
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Date of birth 1988-10-14

LinkedIn
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Péter Ihász earned his Ph.D. in Computer Science and Engineering in 2019.
Specialized in Natural Language Processing, his research topics include sentiment analysis, emotion recognition, dialogue act classification and language modelling through supervised and unsupervised deep learning algorithms. He is currently working on the implementation of non-task oriented dialogue systems.

Experience

2019-03 - present **Assistant Research Fellow**

MTA SZTAKI

Full time job in Budapest, Hungary

Conducting research in the field of Natural Language Processing including

- Language modelling
- Implementation of dialogue systems

2018-01 - 2019-02 **System Engineer**

Magus Inc.

Full time job in Tokyo, Japan and Budapest, Hungary

- Responsible for daily application development and maintenance of
  - > A child monitoring application for Japanese kindergartens
  - > A bridge platform between Japanese schools and evaluation-test   producing companies
- Tutored at IT educational classes
- Organized intra-company AI workshops

2015-04 - 2018-01 **NLP Researcher**

Ritsumeikan University

Scholarship funded activity in Kustasu, Japan

Conducted research in the field of Natural Language Processing and Natural Language Generation and implemented

- supervised classifiers (using LSTMs and CNN)
- semi-supervised classifiers (using Variational Autoencoder-based Multiple Instance Learning algorithms)

Gained experience in:

- the usage of the NLTK toolkit;
- the application of word embedding algorithms of GloVe, Word2Vec, and ElMo
- topic modeling, utilizing Genism
- plotting and statistical modeling in R and Python

2015-11 - 2018-01 **English Teacher**

Benesse BE Studio Inc.

Part-time job in Osaka, Japan

- Taught English for kids and adults in kindergarten and private schools

2016-04 - 2017-12 **Teacher Assistant**

Ritsumeikan University

Part-time job in Kusatsu, Japan

- Assisted in the organization of classes
- Tutored programming group-projects
- Evaluated project works

2011-07 - 2013-08   **Librarian**

Japan Foundation

Part-time job in Budapest, Hungary

- Organizing and maintaining the daily routine of the library
- Communicating with the Japanese and Hungarian customers
- Translating Japanese documents to English and Hungarian

2012-01 - 2012-12   **Japanese Interpreter**

Bridgestone Tatabánya Termelő Kft.

Part-time job in Tatabanya, Hungary

- Interpreted from Japanese to English and to Hungarian on meetings and at factory sites
- Translated manuscripts and reports from Japanese to Hungarian

Education

2015-04 - 2019-03   **Ritsumeikan University, Japan**

Doctoral Program in Graduate School of Information Science and Engineering

- With scholarship from Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT)
- Course completed
- Thesis has been submitted and defended
- Date of receiving Ph.D.: 2019/02/14
- Date of graduation: 2019/03/31

2013-09 - 2015-03   **Osaka University, Japan**

Research Student at Graduate School of Culture and Linguistics

- With scholarship from MEXT

2011-09 - 2013-06   **Karoli Gaspar Univerity, Hungary**

MA in Japanese Studies and Linguistics

2009-09 - 2010-09   **Oita University, Japan**

Research Student at College of Culture and Education

- With scholarship from MEXT

2007-09 - 2011-06   **Karoli Gaspar Univerity, Hungary**

BA in Japanese Studies

Skills

Programming in Python (with Keras and Tensor Flow)	●●●●●
Programming in Java	●●●○○
SQL database handling	●●●○○
Programming in R	●●●●○
Programming in HTML, CSS	●●●○○
Project management	●●●○○

Languages

Japanese		●●●●●
		Business level, used on daily basis. JLPT N1: 2010/06
English		●●●●●
Business level, used on daily basis.	TELC C1: 2013/06	TOEIC: 2015/02 - 975p

Conferences

2019-03	2nd International ACM Conference on Information Science and System (ICISS 2019), Tokyo, Japan, (accepted for presentation)
2018-05	5th International IEEE Conference on Business and Industrial Research (ICBIR 2018), Bangkok, Thailand
2015-10	IEEE Conference on Culture and Computing, Kyoto, Japan

Publications

2019	Ihasz P. L. , Kovacs M., Piumarta I., and Kryssanov V.V. 2019. A supplementary feature set for sentiment analysis in Japanese dialogues. Transactions on Asian and Low-Resource Language Information Processing, ACM.
2019-03	Ihasz, P.L., Kovacs M., and Kryssanov, V.V. 2019. Latent variable-based multiple instance learning towards label-free polarity detection. The 2nd International Conference on Information Science and System (ICISS 2019), Tokyo, Japan. ACM 2019.
2019-01	Ihasz, P.L., Kovacs M., and Kryssanov, V.V. 2019. Emotion Recognition through Intentional Context. International Journal of Affective Engineering, 18(1).
2018-05	Ihasz, P.L. and Kryssanov, V.V. 2018. Emotions and Intentions Mediated with Dialogue Acts. Proceedings of 5th International Conference on Business and Industrial Research (ICBIR 2018), Bangkok, Thailand. IEEE 2018, ISBN 978-1-5386-5255-8.
2015-10	Ihasz, P.L., Van, T.H., and Kryssanov, V.V. 2015. A computational model for conversational Japanese. Proceedings of International Conference on Culture and Computing, Culture Computing 2015, Kyoto, Japan. IEEE 2015, ISBN 978-1-4673-8232-8.
2015-10	White, J., and Ihasz, P. L. 2015. The Use of Formal English Language and ICT Input Sources among Japanese University Students. Proceedings of International Conference on Culture and Computing, Culture Computing 2015, Kyoto, Japan. IEEE 2015, ISBN 978-1-4673-8232-8.