

# Zoltán Galáz



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Data Scientist and AI Engineer at Inventurist  
Leading Researcher at Brain Diseases Analysis Laboratory  
Co-Founder of ACAI.AI

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## Education

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| 2014–2018 | Brno University of Technology, Faculty of Electrical Engineering and Communication, Technická 3058/10, 616 00 Brno, degree: Ph.D. |
| 2011–2014 | Brno University of Technology, Faculty of Electrical Engineering and Communication, Technická 3058/10, 616 00 Brno, degree: M.Sc. |
| 2008–2011 | Brno University of Technology, Faculty of Electrical Engineering and Communication, Technická 3058/10, 616 00 Brno, degree: B.Sc. |
| 2004–2008 | Gymnasium of Jan Botto, Trnava, Slovak Republic.  |

## Internships

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|------|--|
| 2018 | University of Arizona Health Sciences (Department of Neurology), University of Arizona, Tucson, Arizona, USA.                          |
| 2016 | Instituto para el Desarrollo Tecnológico y la Innovación en Comunicaciones (IDeTIC), Universidad de Las Palmas de Gran Canaria, Spain. |
| 2015 | Facultad de Informática, Universidad Politécnica de Madrid (UPM), Spain.   |

## Awards

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|------|---|
| 2016 | Publication in Computer Methods and Programs in Biomedicine (IF: 2.199) in the editor's choice (first author).                            |
| 2015 | Top 10 pedagogue at Brno University of Technology (anonymous student poll evaluating the quality of education).                           |
| 2015 | Fist place at „Conference of Faculty of Electrical Engineering and Communication“ (EEICT 2015).   |
| 2014 | Brno University of Technology dean's prize for the master thesis „Analysis of hand-written text in patients with neurological disorders“. |

## Certificates

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|------|---|
| 2019 | Sequence Models by deeplearning.ai on Coursera.                       |
| 2019 | Convolutional Neural Networks by deeplearning.ai on Coursera.         |
| 2019 | Structuring Machine Learning Projects by deeplearning.ai on Coursera. |
| 2019 | Improving Deep Neural Networks by deeplearning.ai on Coursera.        |
| 2019 | Neural Networks and Deep Learning by deeplearning.ai on Coursera.     |
| 2017 | Machine Learning by Stanford University on Coursera.                  |

## Employment history

- 2017–\* *AI engineer*: Inventurist LLC, California, USA.
- 2015–\* *team leader*: Brain Disease Analysis Laboratory (BDALab) Department of Telecommunications, Faculty of Electrical Engineering and Communication, Brno University of Technology, Czech Republic.
- 2015–\* *researcher*: Signal Processing Laboratory (SPLab) Department of Telecommunications, Faculty of Electrical Engineering and Communication, Brno University of Technology, Czech Republic.

## Participation in projects

- 2019–2022 Interreg: *Development of an integrated concept for the deployment of innovative technologies and services allowing independent living of frail elderly (niCE-life).*
- 2018–2020 The Czech Science Foundation (18-16835S): *Research of advanced developmental dysgraphia diagnosis and rating methods based on quantitative analysis of online handwriting/drawing.*
- 2017–2021 H2020 Marie Skłodowska-Curie Research and Innovation Staff Exchange (H2020-MSCA-RISE-2016 734718): *Novel Network-Based Approaches for Studying Cognitive Dysfunction in Behavioral Neurology.*
- 2017–2020 Ministry of the Interior of Czech Republic (VI20172020078): *System for centralized supervision of complex and large objects of state's critical infrastructure.*
- 2016–2019 Ministry of Health of Czech Republic (NV16-30805A): *Effects of non-invasive brain stimulation on hypokinetic dysarthria, micrographia, and brain plasticity in patients with Parkinson's disease.*
- 2015–2017 Technology Agency of Czech Republic (TA04031666): *Intelligent Telematics Information System of Public Transportation II.*
- 2015–2016 European Cooperation in Science & Technology (LD14091): *De-Identification for Privacy Protection in Multimedia Content.*
- 2012–2015 Ministry of Health of Czech Republic (NT13499): *Speech, its disorders and cognitive function in Parkinson's disease.*

## Invited Lectures

- 2019 *Computerized diagnosis and assessment of developmental dysgraphia*, Faculty of Arts, Masaryk University, Arna Novaka 1/1, 602 00 Brno, Invited by PhDr. Katarína Šafárová, Ph.D.
- 2016 *Statistical methods used in the field of objective analysis of Parkinson's disease*, University of Defence, Kounicova 65, 662 10 Brno, Invited by doc. RNDr. Jaroslav Michálek, CSc.
- 2015 *The power of Parkinson's disease*, TEDx Trenčín (2015). For more information, see: video, Invited by the organizers.

## Research activity

- Publications in journals with impact factor: 7
- Publications in journals without impact factor: 5
- Publications in books: 1
- Publications in conference proceedings: 13
- Software/tools: 29
- Publications indexed by WoS: 11
- Publications indexed by Scopus: 12
- H-index according to WoS: 3
- H-index according to Scopus: 4