Zoltán Galáž

Co-Founder and CTO at Scicake
Leading Researcher in Data Science at Brain Diseases Analysis Laboratory

Employment history

2022–∗	*Co-Founder and CTO*: Scicake s.r.o., Czech Republic.
2017–∗	*AI Engineer and Software Developer*: Inventurist LLC, California, USA.
2015–∗	*Leading Researcher in Data Science*: Brain Disease Analysis Laboratory (BDALab) Department of Telecommunications, Faculty of Electrical Engineering and Communication, Brno University of Technology, Czech Republic.

Education

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.

Internships

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

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).
2014	Brno University of Technology dean's prize for the master thesis „Analysis of hand-written text in patients with neurological disorders“.

Certificates

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.

Participation in projects

2023–2024	Czechinvest: *AI-supported diagnosis and therapy of dysarthria.*
2023–2023	Southmoravian Innovation Center: *AI-supported diagnosis and therapy of dysarthria.*
2023–2025	Technology Agency of Czech Republic: *On-board satellite AI-system for effective hyperspectral filtration and processing.*
2022–2025	Ministry of Health of Czech Republic: *Home-based non-invasive brain stimulation in combination with Lee Silverman Voice Treatment on hypokinetic dysarthria in Parkinson's disease (LSVT-TDCS).*
2020–2024	Technology Agency of Czech Republic: *Software for advanced diagnosis of graphomotor disabilities.*
2020–2023	Ministry of Health of Czech Republic: *Diagnostics of Lewy body diseases in prodromal stage based on multimodal data analysis.*
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 Sklodowska-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 Trencin (2015). For more information, see: video, Invited by the organizers.

Research activity

- Publications indexed by WoS: 42
- Sum of times cited: 564
- Sum of times cited excluding self-citations: 475
- H-index according to WoS: 13
- Software/tools: 33