

# Zsolt Vizi, Ph.D.

## Applied Mathematician

Understanding the world via machine/deep learning, mathematical modelling, neuroscience, etc. on as many abstraction levels as possible



vizizsolt89@gmail.com ✉

+36703297782 📞

Szeged, Hungary 📍

linkedin.com/in/zsolt-vizi-phd in

## WORK EXPERIENCE

### Research Fellow University of Szeged

09/2011 – Present

Szeged

#### Achievements/Tasks

- Full-time research fellow at various EFOP projects focusing on automotive industry and healthcare (2020/01-)
- Part-time research fellow at EFOP project focusing on building an industrial mathematical network in Hungary (09/2017 - 09/2018, 2020)
- Part-time junior research assistant at several research projects: EPIDELAY research group on modelling infectious diseases, Hungary-Serbia IPA Cross-border Co-operation Programme (09/2014 - 09/2016)
- Part-time instructor, then Ph.D. student lecturer at university courses (09/2011 - 09/2013, then 09/2013 - 09/2017)

### CTO and co-founder OptAI Solutions Kft.

01/2019 – Present

Hungary

#### Achievements/Tasks

- developing algorithms for automated invoice processing and teaching materials in Machine Learning
- coordination of a developer team
- contribution to business decisions, networking

### Machine Learning Engineer Robert Bosch Kft.

09/2016 – 10/2019

Budapest

#### Achievements/Tasks

- Algorithm developer, then feature responsible and Scrum Master in radar-based environment modelling subsystem (09/2016 - 09/2018)
- Machine Learning Engineer and Scrum Master in a L4/L5 automated driving project working in a multisensor team (09/2018 - 10/2019)
- Other activities: talks at universities, supervision of BSc and MSc students, organization of Machine Learning seminar, member of Data Mining Core Team

## EDUCATION

### Mathematics, Ph.D. University of Szeged

09/2013 – 09/2016

Szeged, Hungary

### Applied Mathematics, MSc University of Szeged

09/2011 – 09/2013

Szeged, Hungary

## TOP SKILLS

Machine Learning

Python

C++

Mathematical Modelling

Research

Teaching

Agile Methodologies

Project Coordination

Critical Thinking

Problem Solving

## SELECTED COURSES

MATLAB programming (2016)

- Gamax Laboratory Solution

Advanced Scrum Master workshop (2018)

- Sprint Consulting Llc

Project management (2018)

- WiFi Hungária

Machine Learning, Deep Learning (2016)

- Udemy, Coursera

## SELECTED HONORS/AWARDS

Memorial Award of Gyula Farkas (2018)

*The Memorial Award of Gyula Farkas was founded in 1973 for young mathematicians, who has outstanding contribution to research in applied mathematics.*

Memorial Award of Kató Rényi (2013)

*The Memorial Award of Kató Rényi was founded in 1970 for mathematician students, who achieved remarkable research results in Mathematics, before finishing their university studies.*

## LANGUAGES

English

Full Professional Proficiency

German

Limited Working Proficiency

Hungarian

Native or Bilingual Proficiency

## INTERESTS

AI

Mathematics

Music

Reading

RPG