

## ● WORK EXPERIENCE

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01/2020 – CURRENT  
**SOFTWARE DEVELOPER** – DEVNEST

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Cluj-Napoca

10/2017 – 12/2019  
**SCALA DEVELOPER** – ITIVITY (FORMER ULLINK)

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- worked in a team to design and build a brand new Smart Order Router for electronic trading
- used Scala with the Cats library to work in a pure functional way with Akka Actors

Cluj-Napoca

06/2017 – 09/2017  
**SCALA DEVELOPER INTERN** – ULLINK

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- helped in a team working on a brand new Smart Order Router in Scala
- tools used: Jira, Gerrit, Gradle

Cluj-Napoca

07/2016 – 08/2016  
**C# DEVELOPER INTERN** – ALTRAN ROMANIA

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- Xbox One development using C#
- game development using Unity Engine

Cluj-Napoca

## ● EDUCATION AND TRAINING

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2017 – 2019 – Cluj-Napoca  
**MSC** – Technical University of Cluj-Napoca

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Faculty of Automation and Computer Science, specializing in Artificial Intelligence and Computer Vision.  
Thesis: Platformă pentru detecția anomaliilor în serii de timp

2013 – 2017 – Cluj-Napoca  
**BSC** – Technical University of Cluj-Napoca

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Faculty of Automation and Computer Science, specializing in automation.  
Studying for Bachelors Degree  
Thesis: Optimal Control of a Communicating Mobile Robot

2009 – 2013 – Cluj-Napoca  
**HIGHSCHOOL** – Liceul Teoretic "Bathory István"

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## ● LANGUAGE SKILLS

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**Mother tongue(s):** HUNGARIAN | ROMANIAN

**Other language(s):**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1
<b>GERMAN</b>	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● PUBLICATIONS

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### Publications

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#### Technical

"Monad Transformers"

Today Software Magazine, November 2018

"La fel, dar diferit"

Today Software Magazine, April 2019

#### Academic

"A Taxonomy and Platform for Anomaly Detection"

Gheorghe Sebestyén, Anca Hangan, Czakó Zoltán and Kovács György,

2018 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR), pp. 1-6, 2018

"Platform for Anomaly Detection in Time-Seires"

Gheorghe Sebestyén, Anca Hangan, Kovács György and Czakó Zoltán

Presented at the XXXIV. Kandó Conference, Budapest, 2018

"Evaluation Metrics for Anomaly Detection Algorithms in Time-Series"

Kovács György, Gheorghe Sebestyén and Anca Hangan

Presented at the 7th International Conference on Mathematics and Informatics, Târgu Mureș, 2019

## ● JOB-RELATED SKILLS

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### Job-related skills

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- proficiency in languages Scala, Haskell, Elm, Python, Java, C# and C/C++  
I invite the reader to visit my Github page [github.com/KovaxG/](https://github.com/KovaxG/)
- used mathematical languages such as Matlab or Mathematica
- experience working in teams using both GIT and SVN

## ● GROUPS

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### Groups

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#### Cluj.FP

Co-Organizer for the Functional Programming Group in Cluj-Napoca.

#### Research in Cluj

Regular attendee and designated chair-man.

## ● PRESENTATIONS

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### Presentations

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2017

#### University

- PointNet: Deep Learning on Point Sets for 3D Classification and Segmentation
- Chemistry: The Natural Programming Language
- Modelling Culture in Intelligent Virtual Agents
- Vulnerabilities of the WPA2 Security Protocol

2018

#### Functional Programming in Cluj

- Transformers: Monads in Disguise
- Do you die every time you change?
- Zippers, when you really want to point at something

2019

#### IT Days 2019

- How to Change the World using Functions

## ● INTERESTS

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### Interests

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- Functional Programming
- Artificial Intelligence
- Philosophy
- Mechanical Keyboards

## ● PROJECTS AND CONTESTS

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### Projects and Contests

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2013

#### Prosomo

A 2D minecraft inspired game developed in C++.

2016

#### Battlelab Robotica

Participated in a team of 4 people in the contest organized by the University involving sumo Robots.

#### AQTR IOT Student Challenge

Participated in a team of 4 people in the Internet of Things themed contest, we submitted a setup to monitor traffic on the roads to make more informed decisions in order to find parking and reduce traffic.

## ● WORKSHOPS

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### Workshops

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#### First steps with functional programming and Scala

Held a 2 day workshop on using Scala as a functional programming language with 15+ attendees, sponsored by DevNest.

<https://www.meetup.com/Cluj-fp/events/268140892/>

#### First steps with Haskell and functional programming

Also held a 2 day workshop on using Haskell with 10+ attendees, sponsored by DevNest.

<https://www.meetup.com/Cluj-fp/events/268850371/>