



Pálma-Rozália Novák

Date of birth: [REDACTED]

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Gender: Female

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ABOUT ME

I am an Assistant Lecturer at Sapientia Hungarian University of Transylvania and a Master's degree holder in Informatics. I have a passion for education and professional mentorship with a background in research. I recently completed my PhD studies at the University of Debrecen, where I honed my academic journey and hands-on experience have equipped me with advanced analytical skills enabling me to contribute effectively to both academia and industry projects.

EDUCATION AND TRAINING

01/10/2012 – 01/06/2016 Târgu Mureș, Romania

High School Bolyai Farkas High School

Website <https://www.bolyai.ro/> | Field of study Mathematics-Informatics

01/10/2016 – 01/06/2019 Târgu Mureș, Romania

Bachelor's degree Sapientia Hungarian University of Transylvania

Website <https://sapientia.ro/> | Field of study Informatics

01/10/2019 – 01/06/2021 Târgu Mureș, Romania

Master's degree Sapientia Hungarian University of Transylvania

Website <https://sapientia.ro/> | Field of study Software Engineering

01/10/2021 – 18/12/2024 Debrecen, Hungary

PhD Degree University of Debrecen

Website <https://www.edu.unideb.hu/> | Field of study Informatics

WORK EXPERIENCE

01/10/2019 – 01/06/2021 Târgu Mureș, Romania

Laboratory Technician Sapientia Hungarian University of Transylvania

01/10/2021 – CURRENT Târgu Mureș, Romania

Assistant Professor Sapientia Hungarian University of Transylvania

01/11/2023 – CURRENT Târgu Mureș, Romania

Mentor Softech - Codespring

PROJECTS

2017 – 2018

Programul de cercetare universitară 2017/2018 (KPI)

- Title: Egységes, interaktív, többérvű elektronikus oktatási kör fejlesztéséhez
- Type: member
- Director: Kátai Zoltán, Members: Osztian Erika, Osztian Pálma-Rozália
- AlgoRythmics Online Learning Environment
- Osztian Pálma Rozália, Kátai Zoltán. "AlgoRythmics: Táncról a Kódig."
- Kátai Zoltán, Osztian Erika, Vekov Géza, Osztian Pálma Algo-Ritmika: új dim

2022 – 2023

Programul de cercetare universitară 2022/2023 (KPI)

- Title: Emberközpontú algoritmusvizualizáció a számítógépes gondolkodás
- Type: member
- Director: Kátai Zoltán, Members: Osztian Erika, Sántha Ágnes, Elekes Rebel

- Sántha, A. R., Oszitán, E., Osztián, P. R., & Kátai, Z. Gender and Educational Background as Determinants of Computational Thinking Skills among First-Year Students at the Sapientia Hungarian University of Transylvania.
- Osztián Pálma Rozália, Kátai Zoltán, Osztián Erika Doodling and algorithmics. In EDULEARN23 Proceedings (pp. 2757-2766). IATED.

HONOURS AND AWARDS

2021 SHA

● **Collegium Talentum Scholarship**

2022 SHA

● **Collegium Talentum Scholarship**

2023 SHA

● **Collegium Talentum Scholarship**

2020

● **Balassi Bálint – Klebersberg Kuno Scholarship**

2021

● **Balassi Bálint – Klebersberg Kuno Scholarship**

PUBLICATIONS

2024

● **Enacting algorithms: Evolution of the algorithemics storytelling**

Write here the description...

Kátai, Zoltán, Pálma-Rozália Osztián, and David Iclanzan, Education and Information Technologies

2023

● **Élmény- és drámapedagógiai elemek az oktatásban**

Pálma Rozália Osztián, Zoltán Kátai, Erika Osztián, INFODIDACT

2023

● **Önbizalom a vizsgákon: kézzel írott jegyzetek és programozás vizsgák sikertörténetei**

Erika Osztián, Pálma Rozália Osztián, INFODIDACT

2023

● **The gender effect in computational thinking among first-year university students at the Sapientia Hungarian University of Transylvania**

Sántha, Ágnes; Kátai, Zoltán; Pálma-Rozália, Osztián; Erika, Osztián

2022

● **Doodling and Algorithmics**

Osztián Pálma Rozália, Kátai Zoltán, Osztián Erika; In EDULEARN23 Proceedings

2022

● **Investigating the AlgoRythmics YouTube channel: the Comment Term Frequency Comparison social media analytics method**

OSZTIAN, P. R., KATAI, Z., SANTHA, A., & OSZTIAN, E.

2022

● **Doodling és algoritmika**

Osztian Pálma Rozália, Kátai Zoltán, , Osztian Erika INFODIDACT

2022

On the computational thinking and diagrammatic reasoning of first-year computer science and engineering students

Pálma Rozália Osztian, Zoltán Kátai, Erika Osztian

2021

A középiskolai tanulmányok hozadéka a számítógépes gondolkodás perspektívájából

Osztian Pálma Rozália, Kátai Zoltán, Osztian Erika, INFODIDACT

2020

Algoritmus Vizualizációs Környezetek: Az interaktivitás hatása a tanulási eredményekre

Osztian Pálma Rozália, Osztian Erika, Kátai Zoltán INFODIDACT

2020

Algorithm Visualization Environments: Degree of interactivity as an influence on student-learning

Osztian, P. R., Kátai, Z., & Osztian, E. IEEE Frontiers in Education Conference (FIE)

2019

Looking for the Optimal Interactivity Level in the AlgoRythmics Learning Environment

Nagy, E. J., Osztian, P. R., Cosma, C., Kátai, Z., & Osztian, E. In EdMedia+ Innovate Learning

2017

Algo-Ritmika: új dimenziók

Kátai Zoltán, Osztian Erika, Vekov Géza, Osztian Pálma INFODIDACT

ORGANISATIONAL SKILLS

President of the Student Council

Member of the Organizing Committee of the National Scientific Conference of Student Circles

Organizer of Hackathon Programming Contest