Charles Kolozsvary

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charleskolozsvary.com
github.com/charleskolozsvary

EDUCATION

University of Massachusetts Amherst — Amherst, MA
B. S. in Mathematics and Computer Science (GPA: 3.86) — 2020–2024

SKILLS

Programming: Python, C, Java, MATLAB, R
Tools/Tech: LaTeX, Tikz, GNU Emacs, Git, Apache Subversion, Pytorch

PUBLISHED WORK

[1] Jiang, N., Kolozsvary, C. and Li, Y. Artificial Neural Network Prediction of COVID-19 Daily Infection Count. *Bull Math Biol* **86**, 49 (2024). https://doi.org/10.1007/s11538-024-01275-3

EXPERIENCE

American Mathematical Society — Providence, RI
Assistant Publications Technical Support Specialist — August 2024–Present
– Trouble shoots LaTeX errors and standardizes manuscripts for publication
– Edits and maintains manuscripts with GNU Emacs, the Linux command line, and Apache Subversion
– Corrects formatting and typographic errors in manuscripts

Li Research Group, UMass Amherst — Amherst, MA
Assistant Researcher — June 2022–August 2022
– Developed a deconvolution method using signal processing theory
– Collected literature data from individual U.S. states and analyzed trends and irregularities

PROJECTS

Computer Vision Card Game Solver — tinyurl.com/4wju3x7r
– Identifies card data (shape, number, filling, color) in an uploaded photo to highlight sets
– Tech: Python, OpenCV, and Streamlit

The Puzzle Has a Point — github.com/charleskolozsvary
– A self-contained exposition of solutions to challenging math puzzles (in progress)

MENTORSHIP

UMass Amherst Residential Life — Amherst, MA
Resident Assistant — August 2023–May 2024
– Mediated residential life incidents with conflict resolution techniques
– Supported 30 assigned residents, checking-in regularly and adressing questions or concerns

GoPeer — Virtual
Tutor — 2022
– Designed and taught lessons in coding, probability, and pre-algebra for middle and high school students
– Maintained a 97% satisfaction rating from over a dozen hour-long, one-on-one tutoring sessions