Levente Dojcsak

CONTACT

[REDACTED]

Chicago, IL 60611

[REDACTED]

[REDACTED]

https://web.eecs.utk.edu/~ldojcsak/

SKILLS

Proficient:
- Python
- C / C++
- Jupyter
- Graph Algorithms
- Regression Models

Intermediate:
- ILP & SAT Solvers
- R
- SQL
- Fortran
- Slurm (Batch Scripting)
- ML Models

EDUCATION

PhD in Computer Science (In Progress)
University of Tennessee
2018 – Present
Research Focus: Graph algorithms and big data analytics with biological applications.
Relevant Graduate Courses:
- Graph Algorithms & Theory
- Data Mining
- Bioinformatics
- Parallel Programming
- Machine Learning
- Advanced Regression

M.S. in Mathematics
Loyola University Chicago
2015 – 2017

B.S. in Physics & Mathematics
Lawrence Technological University
2008 – 2012
Thesis: *Quantitative analysis of spirality in elliptical galaxies*

PROFESSIONAL EXPERIENCE

Graduate Research / Teaching Assistant
University of Tennessee, Knoxville, TN | 2018 – Present
- 2020 – Present: Analyzed big health data sets in collaboration with the VA using graph algorithms, regression models, Bayesian statistics, and ML models (Python, R coding).
- 2018 – 2020: Taught independent courses in algebra and calculus.

Website & Social Media Manager
Northville Square, Northville, MI | 2016 – Present
- Maintained company's website and online event information.

SAGA Fellow
Saga Innovations (Sullivan High School), Chicago, IL | 2017 – 2018
- Mentored and tutored Chicago high school students.

Adjunct Professor & Graduate Teaching Assistant
Loyola University Chicago, Chicago, IL | 2015 – 2017
- Ran problem solving seminars in advanced math courses and independently taught algebra courses during final semester.

Teaching Assistant (Tutor)
University of Chicago Lab Schools, Chicago, IL | Summer 2016

Center Director & Mathematics Instructor
Mathnasium, Northville & Novi, MI | 2014 – 2015
- Signed up new students to the program, communicated with parents, created learning plans, and supervised other instructors.

Teaching Assistant
Washington University, St. Louis, MO | 2012 – 2013
- Independently taught physics lab courses.

Physics Lab Manager & Academic Tutor
Lawrence Tech University, Southfield, MI | 2009 – 2012
- Responsible for all undergraduate physics labs and equipment; tutored math and science courses.

Research Intern
Budapest University of Technology & Economics, Budapest, Hungary | Summer 2011
- Analyzed the efficiency of newly developed mathematical techniques for energy calculations (Fortran coding).

Research Intern
Fermilab, Batavia, IL | Summer 2010
- Worked on improving the curve fitting model used in analyzing telescopic data of supernovae (C coding).