Jared Murphy
Data Scientist

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Education

M.S. DATA SCIENCE | ROCHESTER INSTITUTE OF TECHNOLOGY | AUGUST 2021 – MAY 2024
SPRINGBOARD DATA SCIENCE CAREER TRACK | MARCH 2020 – JANUARY 2021
B.S. STATISTICS | UNIVERSITY OF NORTH FLORIDA | JUNE 2013 – AUGUST 2015

Skills

RESEARCH
- Neuroevolution, Evolutionary Algorithms, Time Series Forecasting, Recurrent Neural Networks, Genetic Algorithms, Reinforcement Learning

PROGRAMMING LANGUAGES
- Python, Java, C++

DATA SCIENCE TOOLS
- Python - pandas, numpy, statsmodels, sklearn, PyTorch, jupyter notebook
- R - dplyr, tidyr, ggplot2, Quarto
- SQL

MATHEMATICS AND STATISTICS
- Calculus I/II/III, Linear Algebra, Mathematical Statistics, Probability, Bayesian Methods, Hypothesis Testing, Time Series Analysis

Publications

MINIMIZING THE EXA-GP GRAPH-BASED GENETIC PROGRAMMING ALGORITHM FOR INTERPRETABLE TIME SERIES FORECASTING | GECCO '24
- Accepted as workshop paper at the 2024 Genetic and Evolutionary Computation Conference
- C++, genetic programming, neuroevolution, recurrent neural networks, time series forecasting
- https://github.com/jared-m-murphy/Portfolio/blob/main/Publications/GECCO24-EXA-GP-MIN-Workshop.pdf

EXA-GP: UNIFYING GRAPH-BASED GENETIC PROGRAMMING AND NEUROEVOLUTION FOR EXPLAINABLE TIME SERIES FORCASTING | GECCO '24
- Accepted as poster at the 2024 Genetic and Evolutionary Computation Conference
- C++, python, java, genetic programming, neuroevolution, recurrent neural networks, time series forecasting
- https://github.com/jared-m-murphy/Portfolio/blob/main/Publications/GECCO24_EXA_GP_Poster.pdf

Employment

RESEARCH ASSISTANT | RIT | ROCHESTER, NY | AUGUST 2021 – MAY 2022, AUGUST 2023 – MAY 2024

CARPENTER/RESIDENTIAL PAINTER | SELF-EMPLOYED | HUDSON VALLEY, NY | OCTOBER 2016 – AUGUST 2021

SALES ASSOCIATE | DESIGNER SHOE WAREHOUSE | JACKSONVILLE, FL | JULY 2010 – AUGUST 2015

Volunteering

GENERAL CONSTRUCTION | KPL (BUDDHIST CENTER) | RED HOOK, NY | JANUARY 2016 – SEPTEMBER 2019

References

DR. TRAVIS DESELL | ASSOCIATE PROFESSOR | RIT | TJDVSE@RIT.EDU | (518) 867-1054

DR. ASHIQUE KHUDABUKHSH | ASSISTANT PROFESSOR | RIT | AXKVSE@RIT.EDU | (425) 698-9960

AARON TOMLIN | AREA MANAGER | DESIGNER SHOE WAREHOUSE | TOMLIN312@YAHOO.COM | (678) 372-2510