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2018

EXPERIENCE

Research Fellow Research Scientist

2018 - Ongoing 2017 - 2018

Biomedical & Clinical Informatics Lab

- University of Michigan
- Selected features, built and optimized machine learning classifiers for automated diagnosis using healthcare data such as imaging and medical coding.
- Worked independently and under supervision, providing reports and recommendations for overcoming technical obstacles.
- Communicated technical results to a diverse team of managers, investors, clinicians, engineers, and students.

Adjunct Lecturer

2015 - 2017

New York University, New York City College of Technology, & John Jay College of Criminal Justice

- New York, NY
- Python for Engineering, Computer Programming and Problem Solving with Python, and Calculus I & II, and more.

PROJECTS

AngioAid

September 2017 - Ongoing

AngioInsight / University of Michigan

- Cleaned and pruned large, messy data to create a curated data set, discarding unusable or irrelevant data
- Engineered features to extract relevant and actionable information from data regarding the severity of stenosis, or thinning, of the coronary arteries
- Analyzed complex model results to discover actionable insights
- Increased model performance with a novel automated data cleaning pipeline

Cardiac Event Database

June 2017 - Ongoing

Toyota Research / University of Michigan

- Designed and populated a SQL database unifying 500,000+ health records from 6+ sources into one cohesive data repository.
- Coded a pre-processing pipeline in Python to extract relevant features from text files containing clinical notes and heterogeneous patient records.

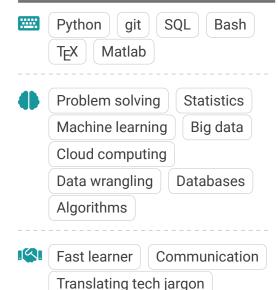
EDUCATION

Ph.D. in Computer Science The Graduate Center of the City University of New York

- Designed, implemented, and evaluated encryption-friendly adaptations of machine learing algorithms in C++
- Used object-oriented programming to create a homomorphic encryption library in C++.

M.Sc. in Mathematics 2015
B.A. in Mathematics 2012
DePaul University

SKILLS



LEADERSHIP

Eye for detail

LGBTQ+ Postdoc Circle 2019 - 2020

Co-organizer

U. of Mich.

Doctoral Students' Council 2015 – 2017 Comp. Sci. Representative

Grad. Center, CUNY