ROHIT BANERJEE

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EXPERIENCE

Data Analyst

Producer's National

June 2019 – December 2019

- Maintained and optimized SQL Stored Procedures.
- Worked with individuals and other departments on meeting their data needs.
- Used Jupyter Notebooks to create interactive data visualizations.

ACHIEVEMENTS

- Eagle Scout Award.
- First place at the 2019 Benedictine University Data Visualization Hackathon.
- Presented research in mathematical computing at the Undergraduate Mathematics Research Symposium at the 2019 Joint Mathematics Meetings in Baltimore.

TECHNICAL SKILLS

- Linux, Git, Bash, LaTeX, Jupyter, Python VENV
- Python, HTML/CSS, C++(Intermediate), Java (Beginner)
- Number Theory, Graph Theory, Combinatorics, Probability, Cryptography

PROJECTS

Localized Crime

- Used a k-Means Clustering Algorithm to determine hotspots of crime in Chicago by utilizing the Chicago Public Data Portal for Benedictine University Data Analytics and Visualization Hackathon. Completed this project within 24 hours with 3 other teammates and presented our findings to the judges.

Planar Disk Packing (Undergraduate Research)

- Worked with a partner to develop a physics engine and visualizer for disk-packing experiments in JavaScript. Once we had settled on the algorithms we would use I ported the program to C++ and integrated CGAL (Computational Geometry Algorithms Library) libraries to optimize data collection.

Graph Algorithms on BTC Blockchain (Undergraduate Research)

- Investigated the efficacy of graph algorithms to generate metadata on accounts in the BTC Blockchain by using an open-source blockchain parser and Jupyter Notebooks to present the data. My main task was optimizing the algorithms used to allow them to run within reasonable times on the increasingly large BTC Blockchain.

EDUCATION

University of Illinois (UIC) - 3.5/4.0

Bachelors of Science in Mathematics and Computer Science with a concentration in Algorithms and Theory

August 2016 – May 2020

Courses in:
Proof-based Mathematics, theoretical/applied Computer Science, and Statistics/Probability
Major GPA:
3.8
Extracurriculars:
Member of the Math Club, Putnam Team, and Algorithmic Trading Club

PERSONAL SKILLS

- Leadership.
- Works well under pressure.
- Enjoys working collaboratively.
- Not afraid to ask for help.

HOBBIES

- Solving puzzles (Project Euler and HackerRank).
- Reading.
- Running and lifting.
- Hiking, backpacking, and camping.