Ali Shaban

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EDUCATION

University of Illinois at Chicago   Chicago, IL
Bachelor of Science in Computer Engineering   *Aug 2019 – May 2024*
Honors: Awarded a scholarship in recognition of academic excellence with a four-year value of $48,000.

EXPERIENCE

QSS Analytics   Baku, AZ
Data Science Intern   *May 2022 – Aug 2022*
- Created data visualization graphics, and translated complex data sets into comprehensive visual representations.
- Enhanced data mining architectures and models to identify trends in large data sets.
- Coordinated schedules of client interactions and project delivery dates.
- Integrated SQL, R, SPSS, and Python to manage and analyze large data sets.

Math and Science Learning Center @ UIC   Chicago, IL
Teaching Aide   *Aug 2022 – May 2023*
- Graded homework, quizzes, and exams for Calculus III class of 500 students on a weekly basis.
- Provided students with feedback and further explanations regarding their work.
- Recorded grades in software tool.

Unikal Klinika   Remote
Business Analyst (Hybrid)   *May 2023 – May 2024*
- Analyzed operational data, developed business strategies, implemented IT solutions, created comprehensive reports and dashboards, and optimized processes to improve efficiency and reduce costs.

MSCS Undergraduate Research Laboratory   Chicago, IL
Research Assistant   *Jan 2024 – May 2024*
- Conducted research on stochastic differential equations in the fields of financial mathematics and material science.
- Implemented numerical methods to solve two distinct SDEs: the linear stochastic Black–Scholes equation and the nonlinear stochastic Allen-Cahn equation under supervision of Dr. Liet Vo.

PROJECTS

Predictive Analytics for Housing Prices   Chicago, IL
- Analyzed historical housing data to identify trends and patterns.   *Aug 2023*
- Developed and implemented a predictive model for estimating housing prices achieving accurate predictions using Python.

VOLUNTEERING

UIC Engineering Career Center   Chicago, IL
Student Ambassador   Sep 2022
- Monitored the preparation of the Career Fair.
- Hosted more than 100 recruiters from top companies at the Engineering & Computer Science Career Fair.
- Greeted an average of 500 students to the Fair.

RELEVANT COURSES

- Linear Algebra
- Calculus I-III
- Data Structures & Algorithms
- Pattern Recognition I
- Neural Networks
- Probability & Statistics

SKILLS

- Programming Languages: Python, C, C++, R, SQL,
- Technologies: MySQL, Git, HTML/CSS, Tableau, SPSS Statistics, SPSS Modeler, MATLAB, Spark, Hadoop
- Languages: Azerbaijani (Native), Turkish (Native), Russian (Intermediate), English (Fluent)