

## NASTARAN RAHNAMAEI

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Data Scientist (Analyst) with a strong mathematical background, with experience in utilizing machine learning methods including both supervised and unsupervised learning to predict data modeling and analysis of data mining algorithms. Delivering insights and implementing action-oriented solutions to complex and challenging business problems. Strong ability to interpret and reference formulas to solve complicated challenges. Highly motivated, methodical, and well-organized with several years of proven experience in mentoring/coaching students as well as providing consultation for their future.

### CORE COMPETENCIES

Statistical Data Analysis, Computing methods, Programming (Python and SQL), Model Building, Data structures, Data science research methods, Supervised and unsupervised machine learning algorithms, Regression Analysis, Data mining, Data Visualization, Math (Statistics and probability), Relational database (MySQL), Technical Problem-Solving, Critical thinking, Decision-making

### EDUCATION & CERTIFICATIONS

- **Data Science Career Track Certification/Bootcamp** Springboard Apr. 2020 – Current
- **Data Science Certification, Python for Data Science and Artificial Intelligence, and Introduction to Data Science in Python** /Udemy E-Learning Platform, August 2019
- **Machine Learning and Programming (Python) for Everybody** /Coursera E-Learning Platform, October 2019
- **B.Sc., Pure Mathematics**/Azad University, July. 2007 (Accredited by WES.org – New York)

### PROFESSIONAL EXPERIENCE

**Children's National Hospital, Research Intern | AWS Researcher** | Washington D.C., United States Sep 2021 – Current

- Building an AWS IoT core device using AWS serverless and an ESP32 microcontroller
- Research, Design, and implementation of smart Wheelchair for patients with disabilities using IOT
- Wheelchair Fuzzy control and Tracking system based on voice recognition

**Springboard Data Science Career Track** | Data Science Fellow | Online, United States Apr 2020 – Aug 2021

- 500+ hours of hands-on course material with 1:1 industry expert mentor oversight and completion of two in-depth portfolio projects. Mastered skills in Python, SQL, data wrangling, data visualization, hypothesis testing, and machine learning.
- Built machine learning models for fraud detection on a real-world transaction dataset which was able to detect %94 fraudulent transaction.
- Addressed the problem of identifying fake news by detecting and analyzing fake news features as well as identifying the textual and sociocultural characteristics of fake news features. I made a fake news detector with above a %95 accuracy that uses machine learning and Natural Language Processing.

**Eye Level Learning Center, Math Teacher** | Detroit, Michigan, United States Apr 2019 – Apr 2020

- Supervised students, oversaw practices, and provided solutions to all Elementary, Middle, and High School students.
- Prepared and ran after-school tutoring for students with learning difficulties that helped improve their final test result by %60.

**Mezon Nasi, International Sales Analyst** Jun 2015 – Apr 2019

- Provided leadership, expertise, and direction in the business as the owner of the international small business
- Collected, analyzed, evaluated, and reported sales results and workflow to identify steps to increase sales productivity & results; drove process enhancements that increased revenue %46 in one quarter.

**Self Employed, Daily Stock Analyst** Jun 2014 – Apr 2015

- Determined market sentiment via research and forecast of future financial price movements based on an examination of past price movements by analyzing trading charts technically.
- Trade an average of \$100K daily in personal investment portfolio.

**Austin Community College, Mathematics Tutor**

Mar 2014 – Aug 2014

- Provided teaching assistant to all college students at the learning lab regarding their mathematical concerns, questions, and requests in areas of Pre-Algebra, Algebra (I & II), Geometry, Pre-Calculus, Calculus, Trigonometry.
- Increased pass rate of students on state test results from %15 to %40 promoted a collaborative environment to meet the needs of all students.

**Kanoon Farhangi Amoozesh, Mathematics Tutor**

Sep 2003 – Sep 2012

- Taught Mathematics and related math courses to Middle School and High School and College students.
- Supervised student's practices and solved their problems
- Taught and motivated 8 classes of 120 students total to exceed growth goal with 3.2 above district predicted growth in Algebra, Geometry standardized test for school year 2010-2012
- Led 100 students to achieve overall academic growth of 3.7 above district predicted growth in Math for 2009-2010