Reha Mehmet Avci

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https://github.com/RehaAvci | https://github.com/DevlyDesign

EDUCATION: On Going

Michigan State University, **Broad College of Business,** East Lansing, MI   *Expected Graduation 2021*
Master of Science in Business Analytics, GPA 4.00
MSU School of Social Sciences, Economics and School of Data Analytics, East Lansing, MI
Bachelor of Science   *January 2019*

PROFESSIONAL EXPERIENCE:

WW formerly Weight Watchers, Remote
Data Science Intern, Food Data Quality Analyst   *June 2021-August 2021*

- Worked in WW's monolithic food database and leveraged their internal APIs to pull food and recipe data to using Mongo Query Language. This data was then developed into a series of data quality checks to be written into BigQuery using directed acyclic graphs.
- Collaborated with Global Food Data team to create corresponding Looker looks for checks and a food data quality dashboard.
- Gained experience working with a large dataset and working with new schemas to properly utilize the data in a human readable way.

Responsible AI Institute, Remote   *June 2021-August 2021*

- Conducted large scale analysis using Python on various fairness metrics to reduce protected class bias in HR related data projects.
- Applied change in pre and post processing stage of machine learning workflow to better understand dynamics of bias.
- Dissected various HR algorithms to document what bias reduction metric is best for use cases.

Tanir Medical Center, Clarkston, MI
Practice Manager/ Data Steward   January 2014 – present

- Improved office efficiency by overseeing paper to digital EHR transition.
- Managed relationships with pharmaceutical suppliers, reducing interactions for physician.
- Pulled requested data from EHR system through use of SQL queries to produce collections reports.

Devly Design LLC, Ann Arbor, MI
Owner / Founder   July 2017 – June 2019

- Used front end programming to generate websites for small to medium sized companies leveraging Angular.
- Oversaw local restaurant raffle, winner's domain was managed and hosted for free, Trini and Carmen's Mexican Restaurant.

VMC Technologies Inc, Troy, MI
Sales and Data Manager   January 2016 – March 2017

- Coordinated overhaul of lead database for billing and marketing departments by leveraging Python to scrape data for lead generation.
- Developed alongside sales team an Excel workbook with generated leads meant to overall increase sales'team lead generation performance.

SCHOOL EXPERIENCE:

Michigan State University, East Lansing, MI
Student

- **Corporate Project**: Worked with Paccar Winch to develop a times series analysis to forecast future revenue, demand, and gauge performance with market competitors.
- **Personal Project:** Leveraged feature selection on self-collected data on blockchain networks (hash rate, network digestion, price, etc.).
- Evaluated long-term spillover effects in Michigan's Ohio neighboring counties pre and post medical marihuana legislation using two-way fixed effects models using R**.**
- **Class Project**: Performed sentimental analysis to surface reviews relevant to increase booking