Mateo Arcos

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Driven computer science and statistics student with strong analytical and problem solving skills. Experience working in teams and utilizing technologies to extract and analyze data with the goal of finding impactful solutions. Looking to collaborate with others in a dynamic work environment where I can further improve my skills. I am eager to bring my analytical and technical skills including experience in Python, Java, algorithms and data visualization, which I have gained through various programming and statistics courses into a position where I can contribute to meaningful projects.

Education

University of Toronto – BSc in Statistics, minor in Computer Science

September 2020 – 2024 (expected)
3.08 – GPA

Coursework includes: Theory of Computation, Software Design, Programming Languages, Computer Organization, Linear Algebra, Calc, Probability & Statistics, Syntax, Semantics.

Work Experience

January 2018 - June 2018 | Daniel's No Frills

620 Eglinton Ave W, Mississauga, ON L5R 3V

Cashier: Managed financial transactions

Projects

Cycling accident Data analysis: *https://github.com/mateo020/CyclingCollisions-Data*

Data analysis project utilizing Python and Python libraries including GeoPandas, Pandas, Matplotlib. Used public datasets from the city of Toronto to visualize all cycling accidents over the past 10 years with the goal of understanding and finding trends and insights on cycling collision causes and how to prevent them via changes in cycling infrastructure.

Relevant skills and Courses

- STA258 – Statistics with Applied Probability
  - Focused on statistical methodology with emphasis on the relationship between data analysis and probability theory.
  - Utilized R

- CSC263 – Data structures and analysis
  - Worked with standard and complex data structures and abstract data types (graphs, dictionaries, balanced search trees, hash tables)
  - Utilized Python

- STA260 – Probability and statistics II
  - Statistical theory and methodology estimation, testing, confidence intervals; unbiasedness, sufficiency, generalized linear models.

- Proficient in Python and Python Libraries (Matplotlib, Pandas, scikit learn)
- Proficient in Java, Experienced in R
- Git + Github and OOP