Martin Olarte Pallares

mo144@duke.edu | linkedin.com/in/martin-olarte-pallares | github.com/molartep |+1 (914) 830-6224

EDUCATION

Duke University – Durham, NC   *Class of 2023*

    GPA: 3.741/4.0 (Dean's List with Distinction)
    B.S Computer Science, B.S Statistical Science with a concentration in Data Science
    Relevant Courses: Data Structures, Foundations of Data Science, Probability, Regression, AI/ML
    Certifications: Deep Learning Specialization, Google Cloud Essentials

Harvard University – Cambridge, MA | *Summer Secondary School Program*   *Jun 2017 – Aug 2017*

    Relevant Courses: Financial Accounting, Modeling the Real World with Calculus, Statistics, and Probability

Colegio Nueva Granada – Bogotá, Colombia | *High School Diploma*   *Class of 2018*

    GPA: 3.98/4.0 | *SAT:* 1530/1600
    Awards: Regional Math Olympics Finalist, AP Scholar with Distinction

PROFESSIONAL EXPERIENCE

Meta, *Data Engineering Intern* – New York City, NY   *May 2022 – Aug 2022*
- Coded performant Presto/Spark queries by effectively using CTEs, macros, partitions, and JSON parsing.
- Monitored new pipelines to comply with storage quotas and identify blockers to optimize computing resources.
- Designed attractive and dynamic dashboards that supported revenue analysis.
- Collaborated with cross-functional partners to lead two projects (IG Shopping & Instagram Business DE Teams):
  - (i) Expanded on previous analyses related to incentives, focusing on the effect they have on various transactional and user-engagement metrics.
  - (ii) Identified trends in user behavior from experiment data from the transition to Panavision, and analyzed fluctuations in metrics which are vital in forecasting the impact on revenue on Instagram.

Facebook, *FBU Analytics Data Engineering Intern* – Remote   *Jun 2021 – Aug 2021*
- Designed a pipeline to power a dashboard that segments Facebook users based on their resource constraints
- Illuminated insights by leveraging SQL to breakdown user engagement across various dimensions

Duke University, *Research Assistant (ACT UP Math)* – Durham, NC   *Oct 2022 – Present*
- Researched academic pathways students take within the math department at Duke University
- Analyzed key trends in demographics after wrangling data provided by the Office of Assessment
- Designed a report, primarily visualizations with some written context and interpretation for stakeholders

Duke University, *Undergraduate Teaching Assistant* – Durham, NC   *Jan 2021 – Present*
- STA 432 - Theory and Methods of Statistical Learning and Inference
- STA 211 - The Mathematics of Regression
- Offered weekly sessions to support students and graded assignments/exams

OlarteMoure, *Productivity Analyst Intern* – Bogotá, Colombia   *Jun 2019 – Jul 2019*
- Cleaned and restructured raw billing data in Excel.
- Implemented financial models to predict future fees and rates for 18 regions.
- Automated productivity data ingestion and processing in R, reducing labor hours by 96%.

Panacea Quantum Leap Technology LLC, *Administrative Assistant Intern* – Cali, Colombia   *Aug 2018 – Apr 2019*
- Developed a Risk-Assessment Matrix and patient progress reports for a healthcare startup.
- Redesigned outdated filing system for patient data and digitized 2 years' worth of previous medical records.
- Compiled data from a preliminary trial into a website using R Markdown (http://rpubs.com/molartep/478176).

LEADERSHIP

Fundación Hogar Nueva Granada, *Manager / Tutor* – Bogotá, Colombia   *Apr 2020 – Aug 2020*
- Co-founded a virtual tutoring program with a charity school in Bogotá to help alleviate the impact of the Covid-19 pandemic on low-income students and faculty.
- Created a database and schedule program to avoid time conflicts of sessions for tutors and tutees.

SKILLS & INTERESTS

Languages: English (fluent), Spanish (fluent)
Computer Skills: R, R Markdown, Python, Java, SQL, TensorFlow, Git, GCP, BigQuery, Hive, Presto, Spark
Activities: Cyber Team, Latin American Student Organization (Treasurer), LatinX Business Organization (VP of Tech)
Interests: Chess, Soccer, Tennis, Deep Learning, Dataism