

TONY LIZZA

7810 Boston Ave. · Silver Spring, MD · (202) 436-2422 · tony.lizza@gmail.com

WORK EXPERIENCE

Africa Diaspora Connection

Washington, DC

Data Scientist/ML Engineer

October 2020—Present

- Develop data collection strategy for Africa Diaspora Connection (ADC), a collaboration platform for African diaspora professionals seeking to provide volunteer expertise to African led non-profit organizations
- Develop POCs using open source data (e.g., satellite imagery) to estimate African development

International Child Advancement

Washington, DC

Data Scientist/ML Engineer

October 2018—October 2020

- Implement and maintain data collection platform for International Child Advancement, a Buffalo, NY based non-profit dedicated to providing opportunity for orphaned children in Eastern DR Congo
- Develop analyses and models to support organization goals, e.g., predict dropout rate for school children and increase donor support

Apollo Matrix, Inc.

Washington, DC

Senior Project Manager/Data Scientist

September 2015—October 2018

- Led cross-functional teams on highly complex and interrelated client data science/machine learning projects and programs using both waterfall and Agile methodologies
- Designed, implemented, and maintained analytics and A/B tests for clients in websites and mobile apps
- Developed classification tools using standard Python data science libraries and machine learning libraries such as TensorFlow
- Managed delivery of multi-language NLP platform software back-end for Talktothereasons.com for Netflix show *13 Reasons Why*, resulting in a 2018 Emmy nomination

Various Clients

Washington, DC

Consulting Digital Project Manager

March 2013—September 2015

- Metropolitan Washington Airports Authority (MWAA)
 - Develop product strategy and user experience for MWAA responsive websites (developed in Drupal), including creation of business requirements and wireframes.
- AARP
 - Led modernization efforts of the membership digital infrastructure, including join/renew flows
 - Managed ad tech platform on aarp.org, leading to month over month advertising revenue growth.

Visual Mining, Inc.

Rockville, MD

Technical Product Manager

June 2012—January 2013

- Used Agile/lean methodologies to write product user stories for developers and QA specialists, shortening testing time by 50% and improving product quality
- Led a cross-functional strategy team to outline a business case for a new SaaS business intelligence product.

CR Software, LLC (acquired by FICO)

Fairfax, VA

Business Analyst

Oct 2006—June 2012

- Managed projects involving the installation, upgrade, and professional services relating to Platinum CRS, an internationally accepted accounts receivable/payable software package
- Maintained and supported Datamirror a proprietary ETL tool for transforming Platinum CRS records from a proprietary format into SQL and loading into MySQL/MSSQL

- Developed reports and ad hoc analyses for customers related to client inventory and profitability, resulting in increased profitability for clients and improved company revenue
- Performed data cleansing and data wrangling for technical support and professional services efforts.

EDUCATION AND CERTIFICATIONS

West Texas A&M, Canyon, TX – MSc, Applied Mathematics. Expected Completion 2023.

American University Washington, DC -- B.A. May 2005. Coursework included international business, economics, statistics, technology, and trade policy.

AWARDS

Emmy Nomination, 2018 Outstanding Creative Achievement in Interactive Media within a Scripted Program -- 13 Reasons Why: “Talk to the Reasons” Netflix (with Moth + Flame VR)

SKILLS AND TECHNOLOGIES

Adobe Marketing Cloud, Agile, Amazon Web Services, Appian BPM Suite, Atlassian software suite (Jira, Confluence), D3.js, Drupal 7.X/8.X, Github, Google Analytics, Google Apps, Google Cloud Platform, Google Tensorflow, HTML5/CSS3/JS, Hubspot, Machine Learning, Matlab, Microsoft Office Suite, MS Project, NoSQL, OmniPlan, Project Management, Python 2.X/3.X, Python Data Science Stack (NumPy, SciPy, Pandas, Scikit-Learn, Jupyter, IPython), PyTorch, R, Replicon API, Salesforce, Scrum, SOAP/REST, SQL/MySQL/Postgres, Tableau Server, Team Management