**Bassim Eledath**

[bassimfaizal@gmail.com](mailto:bassimfaizal@gmail.com) | [LinkedIn](https://www.linkedin.com/in/bassim-eledath/) | [GitHub](https://github.com/bassimeledath) | [Website](http://www.bassimeledath.com) | [Google Scholar](https://scholar.google.com/citations?user=yq7SRhgAAAAJ&hl=en) | 919-360-6903 | San Francisco, CA

Machine Learning Engineer with 5+ years of experience, specializing in production ML, generative AI and A/B testing

**Professional Experience**

**Machine Learning Engineer *Oct 2023 – June 2024***

Square Inc S*an Francisco, Remote Contractor*

* Co-developed an LLM RAG system that automated email campaign writing saving the marketing team several hundred hours.
* Increased average net profit per merchant by 80% by building a novel ensemble uplift model to rank merchants.
* Optimized Prefect workflows across multiple ML project containers, resulting in a 15% reduction in model inference latency.

**Senior Data Scientist *March 2022 – Feb 2023***

Andela *New York*, *Remote*

* Led the churn data science team. Created ETL pipelines from scratch, deployed several ML models that saved $1M+ in lost revenue.
* Created "The Experimentation Blueprint", a thorough guide used by all teams to design A/B tests at Andela.
* Mentored the ‘talent salary prediction’ and ‘auto-match’ data science teams. Held biweekly mentorship office hours.
* Founded and led the data science team book club specializing in MLOps.

**Data Scientist  *June 2020 – Oct 2022***

Target RWE (Formerly NoviSci) *Durham, NC*

* Co-developed [causalRisk](https://docs.novisci.com/causalRisk/index.html) software for causal inference, adopted by firms like Janssen and Amgen for observational studies research.
* Developed SanCheck, an R package for efficient automated sanity checking on large datasets.
* Co-developed Jira Quick Picture, a web app that reduced work log time by 75%.

**Data Science Consultant *May 2020 – Jan 2022***

Upwork *Remote*

* Awarded Top 10% Data Scientist status on Upwork; built solutions for 9 companies. Link to all [testimonials](https://drive.google.com/file/d/1M8DaalYSpO1xRZd7Gndt0LDDRNtBzI4F/view?usp=sharing).
* Built and deployed a multichain optometrist clinic's no-show prediction XGBoost model, achieving >50% accuracy improvement.
* Automated a crop yield visualization workflow in Python for an agro-chemical firm, reducing weekly hours spent by 90%.
* Built and deployed a Random Forest model for a global entertainment company achieving >25% performance improvement.

**Data Science Instructor *Nov 2020 – Feb 2021***

Coursera *Remote*

* Sole instructor and content creator for the course “Exploratory Data Analysis With Python and Pandas.” - [Link](https://www.coursera.org/projects/exploratory-data-analysis-python-pandas).
* Course has a 4.5/5 rating and has been completed by 12,000+ learners.

**Applied Machine Learning Intensive Fellow *June 2019 – Aug 2019***

Google  *Atlanta, GA*

* Selected as one of 18 participants from 600+ applicants for Google's fully funded 10-week machine learning [program](https://nickabattista.wixsite.com/home/applied-machine-learning-intensive).

**Coding Competitions**

**Generative AI:** GPT Hackathon SF (**1st place**), Truera LLM challenge (**1st place**), Gemini AI Hackathon **(2nd place**) - Link to [projects](https://www.bassimeledath.com/projects.html)

**TopCoder.com:** top 10% of competitors. **9 top 5 finishes** (3 first) in 11 data science competitions - Link to [profile](https://www.topcoder.com/members/bassimfaizal).

**Data Science Competitions:** Wells Fargo Campus Analytics Challenge Winner, Duke datathon finalist, Data+ datathon finalist, P&G CEO analytics challenge USA finalist, Citadel Summer Invitational Datathon Semi-finalist.

**Education**

**Master of Science, Data Science *July 2023 – June 2024***

University of San Francisco *San Francisco, CA*

**Bachelor of Science, Statistics  *Aug 2016 – Aug 2020***

Duke University *Durham, NC*

**Certifications and Technical Skills**

* **Google Cloud Certified - Professional Machine Learning Engineer** (issued Sep 2023)
* **Skills:** Python (Pytorch, Tensorflow, Pyspark, Pandas, NumPy, Scikit-learn, Matplotlib), Java, Spark, JavaScript, R, React, PostgreSQL, Airflow, Google Cloud, AWS, Git/GitHub, Docker, JIRA, Llama-Index, LangChain