

# Bassim Eledath

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Machine Learning Engineer with over 5 years of experience, specializing in generative AI, machine learning and A/B testing

## Education

### Master of Science in Data Science

University of San Francisco

July 2023 – June 2024

San Francisco, CA

### Bachelor of Science, Statistics

Duke University

Aug 2016 – Aug 2020

Durham, NC

## Professional Experience

### Machine Learning Engineer (Graduate internship)

Square Inc

Oct 2023 – Present

San Francisco, Remote

- Increased average net profit per merchant by 80% compared to the baseline with own novel model to rank prospective merchants.

### Senior Data Science Consultant

Andela

March 2022 – Feb 2023

New York, Remote

- Led the churn prediction initiative, developed and productionized a model surpassing baseline with 65% ROC-AUC.
- Created "The Experimentation Blueprint", a thorough guide used by all teams to design A/B tests at Andela.
- Conducted biweekly mentorship for junior data science teams on contractor price and job-talent prediction projects.
- Founded and led the data science team book club specializing in MLOps.

### Statistician/Data Scientist

Target RWE (Formerly NoviSci)

June 2020 – Oct 2022

Durham, NC

- Co-authored [causalRisk](#) R package for causal inference, adopted by firms like Janssen and Amgen for observational studies.
- Ideated and co-developed Jira Quick Picture, a web app that reduced work log time by 75%.
- Developed SanCheck R package for efficient automated sanity checking on large datasets.
- Headed company book club on machine learning in healthcare.

### Freelance Data Science Consultant

Upwork

May 2020 – Jan 2022

Remote

- Awarded Top 10% Data Scientist status on Upwork; collaborated with 9 companies. Link to all [testimonials](#).
- Enhanced a multichain optometrist clinic's no-show prediction model, achieving >50% accuracy improvement.
- Automated a crop yield visualization workflow in Python for an agro-chemical firm, reducing weekly hours spent by 90%.
- Developed a 75% accurate submission prediction model for a global entertainment company's script writing competition.

### Data Science Instructor

Coursera

Nov 2020 – Feb 2021

Remote

- Sole instructor and content creator for the course "Exploratory Data Analysis With Python and Pandas." - [Link](#).
- Course has a 4.5/5 rating and has been completed by 12,000+ learners.

### Applied Machine Learning Intensive

Google

June 2019 – Aug 2019

Atlanta, GA

- Selected as one of 18 participants from 600+ applicants for Google's fully funded 10-week machine learning [program](#).

## Hackathons

**Generative AI:** GPT Hackathon SF (1st place), Truera LLM challenge (1st place), Gemini AI Hackathon (2nd place) - Link to [projects](#)  
**TopCoder.com:** 1600 score rating - top 10% of all competitors. 9 top 5 finishes (3 first) in 11 data science competitions - Link to [profile](#).  
**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..

## Certifications and Technical Skills

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