Bassim Eledath

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Data scientist with over 5 years of experience, specializing in predictive modeling, machine learning and A/B testing

Education

Master of Science in 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*

Professional Experience

Machine Learning Engineer *(Graduate internship)*   *Oct 2023 – Present*
Square Inc   *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   *March 2022 – Feb 2023*
Andela   *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   *June 2020 – Oct 2022*
Target RWE (Formerly NoviSci)   *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   *May 2020 – Jan 2022*
Upwork   *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   *Nov 2020 – Feb 2021*
Coursera   *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   *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.

Data Science Competitions

TopCoder.com
- 1600 score rating - top 10% of all competitors. 9 top 5 finishes (3 first) in 11 data science competitions - Link to profile.
Other Competitions
- Wells Fargo Campus Analytics Challenge Winner (2018), Duke datathon finalist (2019), Data+ datathon finalist (2019), P&G CEO analytics challenge USA finalist (2019), Citadel Summer Invitational Datathon Semi-finalist (2019).

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