

LORENZO COACCI

New York, NY 10004

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TECHNICAL SKILLS

- Hardware/Software Skills: Python, SQL, Terraform, Airflow, AWS, Linux, Bash, R, C++, C, Redshift, Docker, Svelte, JavaScript, dbt
- Certification/Licenses: AWS Cloud Practitioner, Leadership Intelligence Certification (Fordham)
- Other Technical Skills: Machine Learning, SDK Development, ETL/ELT, Database and DW Design and Management, Architecture Design and Deployment, DevOps, Spark, Data Lake, Sagemaker

EDUCATION

- New York, NY **FORDHAM UNIVERSITY, GABELLI SCHOOL OF BUSINESS** Aug 2018-Aug 2019
MS, Applied Statistics and Decision-Making, GPA 3.97
- Relevant Coursework: Machine Learning, Data Mining, C++, R
- Pisa, Italy **UNIVERSITY OF PISA** Sep 2013-Jul 2017
BS, Physics
- Relevant Coursework: Digital Technologies, Linear Algebra, Multivariate Calculus, Physics Laboratory, Statistical Mechanics, Quantum Mechanics
 - Final Paper: "Brownian Motion and a Modern Application to turbulent dispersion of pollutants"

EXPERIENCE

- New York, NY **AMAZON** Oct 2022-Present
- Systems Development Engineer**
- Design, develop, deploy and maintain a Cloud Data Lake architecture using Spark, Glue, S3, Athena, Quick Sight, SageMaker, and AWS CDK
- New York, NY **SUPERBOLT** Jan 2020-Oct 2022
- Engineering Lead**
- Developed Budibase Apps to centralize data tools and microservices to an admin platform using DynamoDB and AWS RDS
 - Migrated Airflow from 1.10 to 2.3 and refactored to use Terraform custom modules
- Data Scientist/Engineer**
- Automated dashboard creation using Metabase API and increased efficiency from 12h to 30 min
 - Developed a scalable bot integrated with the Monday API to manage automation for Data Engineering, Data Science, Marketing Management and HR, reducing drastically time for all processes
 - Successfully deployed and migrated to a reliable data ELT infrastructure with Singer Pipelines, dbt, Airflow, Celery Executor, Flower, Docker, Amazon ECS, ECR, Fargate and CloudFormation
- Data Scientist Intern**
- Developed an algorithm to detect typos with 98% overall accuracy with Python
 - Built ETL pipelines using Python, SQLAlchemy, AWS EC2, Redshift, and RDS and SDKs with Google Adwords API, Facebook API, Gsheet API, TikTok API, and more
- New York, NY **UNCOMMONGOODS** Nov-Dec 2019
- Operation Analytics Intern**
- Improved efficiency of a process from 30 minutes to 10 seconds with Python, Pandas and BeautifulSoup
 - Implemented new metrics in SQL for QA and decision-making

ADDITIONAL

- Languages: Fluent in English, Native in Italian