

Giulio J. Duregon

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EDUCATION

- Sep 21-June 2023 **NEW YORK UNIVERSITY** New York, NY
Master of Science: Data Science, (Expected Graduation: May 2023)
Cumulative GPA: 3.82/4.0
GRE Score: 332/340 (98th percentile)
Relevant Coursework:
- Programming Languages, Advanced Python for Data Science, Machine Learning
 - Operating Systems: Wrote 5000+ lines of C++ implementing Operating Systems features including Virtual Memory Management, IO Scheduling, and Process Scheduling algorithms.
 - Big Data: Implemented modern day collaborative-filtering recommendation systems including ALS and fast-search implementations using PySpark, ANNOY, and LensKit APIs on NYU's HPC cluster.
 - Natural Language Understanding: Investigated the efficacy of an end-to-end disfluency removal NLU task using HuggingFace's HuBERT with Facebook's *large-ls960-ft* pretrained model weights.
- Sep 15-June 2019 **LUNDQUIST COLLEGE OF BUSINESS, UNIVERSITY OF OREGON** Eugene, OR
Bachelor of Arts: Business Administration, Finance, June 2019
Honors: Deans List Fall 2015, Spring 2019
Cumulative GPA: 3.66/4.0
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PROFESSIONAL EXPERIENCE

- May 22-Aug 2022 **AMAZON – AMAZON ADS** New York City, NY
Software Development Engineer - Intern
- Designed and built a business metrics reporting system for a tier-1 service. Implemented this system using Java and Typescript. Wrote automated tests in JUnit to ensure 100% coverage. Deployed the service to production using CDK
 - Constructed ETL pipelines for application data using AWS Batch, AWS Glue and AWS Redshift. Created dashboards in AWS QuickSight
 - Took ownership of a complex data analysis problem. Solving this problem led to a \$3MM+ increase in revenue and saved my team 16 hours a week
 - Received return offer for full time employment upon completion of internship
- Feb 20-Aug 2021 **VIEWPOINT: A TRIMBLE COMPANY** Portland, OR
Financial Analyst – AWS & Azure Cloud Operations
- Created financial models in Domo increasing visibility into cost, revenue, and margin figures for our flagship ERP products at an unprecedented level of granularity. Presented model findings to the CFO, CPO, and Sr. VP of Product Development which identified cost savings and informed decision making for Hosted Operations, Pricing & Discounting, and Sales departments
 - Automated ETL pipelines with Domo, tracked project KPIs, and acted as a technical liaison between Hosted Operations and Accounting for the “overage management” project which generated \$1.5M in invoice revenue and \$2M in annual recurring revenue in its first year of operation
 - Saved over \$300,000/year in unnecessary cloud expenditures by delivering rightsizing recommendations to the Hosted Operations department for unused reservations and underutilized resources in the AWS and Azure cloud environments
- Sep 19-Feb 2020 **DAIMLER TRUCKS NORTH AMERICA** Portland, OR
Market Research & Analytics Intern
- Leveraged Tableau, Alteryx, and Excel to enhance business segmentation techniques of a 2.3 million record database. Created segmentation logic to reassign 166,000+ unique records, illuminating growth opportunities by creating seven new customer segments, and increasing the accuracy of the database by 7%
 - Utilized the Selenium, BeautifulSoup, and Pandas Python libraries to scrape, transform, and analyze website data thereby informing a market research project on the viability of a competitor's novel business model
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SKILLS & INTERESTS

- Programming & Libraries: Python, C++, Java, Typescript, HTML/CSS, Django, Spring Boot, Pandas, Pytorch
- Data Pipelining & Visualization: SQL, Spark, Alteryx, Domo, Tableau, Power BI
- Cloud Computing: AWS CDK, S3, Lambda, Redshift, ECR, QuickSight, Glue DataBrew