# Domenico Ceresa

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## Education

**Georgia Institute of Technology**                                                                                 Atlanta, GA
- **M.S. Computer Science** (Machine Learning)                                                        *(2025-present)*

**The University of Oregon**                                                                                           Eugene, OR
- **B.S. in Data Science** and Economics                                                                       *(2019-2023)*
- Minors in **Computer Science and Math**
- Relevant Courses: Machine Learning | Probability & Statistics | Data Structures and Algorithms

## Experience

**Data Analyst:** *BPM LLP*                                                                                   April 2023 – Present
- Automated the validation of transfer pricing reports using Python (pywin32), enforcing requirements and style guides so peers could focus on content rather than formatting
- Designed and delivered Power BI dashboards used by leadership to track gross margin, utilization, and budget vs. actuals, directly informing partner-level decisions
- Created an Excel automation using fuzzy matching to map invoice line items to estimates and generate PDFs, cutting processing time from ~5 hours to under 1 minute
- Developed Excel-based internal automations to prepare, validate, and standardize journal entry data for NetSuite ingestion, reducing manual processing for accounting teams

**Data Science Learning Assistant:** *Univ. of Oregon*                                            Dec 2022 – March 2023
- Facilitated weekly office hours supporting 50+ students in regression, KNN, gradient descent, decision trees, and bootstrapping
- Taught statistical and machine learning concepts, strengthening students' ability to reason about model assumptions and performance

## Work Projects

**AI Report Summarization System**                                                             Project Type: **NLP/LLM**
- Engineered an NLP-based summarization system for 100+ page reports, reducing preparation time by ~98% (4 hours to ~5 minutes)
- Built a text preprocessing pipeline to clean and segment unstructured PDF content for downstream summarization
- Integrated Azure abstractive summarization models and GPT-4 to generate domain-specific summaries aligned with business needs

**Personnel Operations Dashboard** (San Mateo County Bar Association)              Project Type: **Dashboarding**
- Developed a Power BI dashboard to track attorney caseloads, case types, crime categories, and demographic metrics
- Designed interactive visualizations enabling stakeholders to analyze workload distribution and case composition across attorneys

## Technical Skills

- **Programming:** Python
- **Data Analysis:** SQL, Pandas, NumPy
- **Machine Learning:** Scikit-learn, PyTorch, TensorFlow
- **Visualization:** Matplotlib, Seaborn, Power BI
- **Tools:** Git, Docker