CAITLYN CAGGIA

www.caitlyncaggia.com | linkedin.com/in/caitlyn-caggia | github.com/caitlyncaggia | US Citizen

WORK EXPERIENCE

SEAMLESS AI   JULY 2023 – PRESENT

Senior Data Engineer, Data Ops & Engineering, Atlanta, GA   *June 2023 – present*
- Ingest, clean, and deduplicate data for contact and company identity resolution used for sales lead generation
- Monitor data systems performance, troubleshoot data issues, perform root cause analysis, and optimize jobs
- Drive continuous improvements to data reliability, efficiency, and quality with extensive automated testing

PERATON   JANUARY 2021 – JULY 2023

Lead Data Engineer & Data Architect, Pandemic Center of Excellence (PACE), Atlanta, GA   *June 2022 – July 2023*
- Develop, optimize, and maintain data pipelines to detect fraud in the $5T COVID-19 pandemic relief funding
- Modernize data architecture to use Databricks, Apache Spark, and Python scripts for >15x runtime improvement
- Automate quality control checks to reduce error rate to <1% and manual review time from days to minutes

Principal Solutions Architect, Global Health and Financial Solutions, Atlanta, GA   *January 2021 – May 2022*
- Designed technical solutions for cloud-based AI/analytics capture and proposals totaling over $1B in TPV
- Managed 6 engineers to prioritize tasking, provide mentorship, and guide career development

Lead Data Engineer & Scrum Master, High Volume Transaction Processing, Atlanta, GA   *January 2021 – December 2021*
- Processed data for use in ML algorithms and visualizations in Databricks via MLOps using Python and Jupyter
- Initiated analysis of alternatives, vendor partnerships, MVP production environment, and prototyping
- Served as scrum master for team of 5 software engineers to facilitate Agile development methodologies

NORTHROP GRUMMAN CORPORATION   MAY 2017 – JANUARY 2021

Solutions Architect, Civil and Health, Atlanta, GA   *June 2020 – January 2021*
- Presented analytics solutions and AI capabilities to customers in live demos, rare oral RFIs, and white papers
- Automated sector-level financial reporting and forecasting dashboards using Python, Alteryx, and Power BI
- Led team of 4 developers by translating business objectives to assign and prioritize technical tasks

Model Based Systems Engineer (MBSE), H-1 Lead Technology Integrator, San Diego, CA   *July 2019 – June 2020*
- Created and updated 50+ models for navigation, comms, and electronic warfare systems in H-1 helicopters
- Earned formal customer recognition for leadership in authoring 4+ MBSE style guides for Agile hardware design

Systems Engineer, Communications Systems Research and Development, San Diego, CA   *May 2017 – July 2019*
- Conducted multifunction RF trade studies with automated data collection and ML-based genetic algorithms
- Generated 20+ analytical and descriptive radar models in MATLAB, Python, Rhapsody, and ModelCenter

EDUCATION

Georgia Institute of Technology, Atlanta, Georgia
M.S. in Electrical and Computer Engineering, Concentration in Electromagnetics   *Class of 2019*
B.S. in Electrical Engineering, BS/MS Accelerated Program, Highest Honors   *Class of 2018*

SKILLS

Programming Languages:	Python, Spark, SQL, MATLAB, C/C++, DAX, VHDL | Windows, macOS, Linux (Ubuntu, CLI)
Cloud Platforms:	Databricks (Delta Lake, MLflow), Azure (Synapse, Data Factory), AWS (cloud practitioner)
Modeling/Visualization:	PowerBI, Tableau, Alteryx, Cameo, Rhapsody, ModelCenter, Solidworks, AFSIM, AutoCAD
Collaboration Tools:	Azure DevOps, Rally, Jira, Git (GitHub, GitLab), Cameo Teamwork Cloud
Certificates:	Model Based Systems Engineering (California Institute of Technology, March 2020)