

Jason Fine

New York, NY | jason.fine610@gmail.com | jasonfine.dev

EDUCATION

Georgia Tech Master of Science in Computer Science	Jan 2023 – Dec 2024
Penn State Bachelor of Science in Chemical Engineering	Sept 2013 – May 2017

EXPERIENCE

Booz Allen Hamilton Software Engineer	Apr 2020 – Present <i>Oct 2025 – Present</i>
<ul style="list-style-type: none">Analyzed outputs of machine learning-based document categorization systems, assessing model performance and informing refinement strategiesDeveloped and enhanced a full-stack document management platform supporting secure document ingestion, indexing, and search for a private government clientConducted infrastructure and platform migration research, leading discussions on storage architecture, CPU/RAM sizing, and performance tradeoffsPerformed scalability analysis to project resource requirements for onboarding additional users and expanding document datasetsImplemented flexible document tagging and metadata features to enable improved search, classification, and analytics	
Data Scientist	<i>Oct 2024 – Sep 2025</i>
<ul style="list-style-type: none">Designed and maintained statistical methods using PySpark and Spark SQL for analysis of COVID-19, Flu, and RSV hospital admittance rates across seasons.Co-authored a research paper on utilizing nursing home infection data to predict hospitalization trends.Researched and implemented clustering on hospital COVID-19 data to establish seasonal severity thresholds.Implemented data quality methods and procedures to evaluate erroneous data entry and missing values.Mentored team members on utilizing automation features using Python with Microsoft PowerPoint, Word, and Excel documents to improve report generation efficiency.Tested hospital data API for data submissions.	
Software Developer / Consultant	<i>Apr 2020 – Sep 2024</i>
<ul style="list-style-type: none">Developed quarterly scripts to verify software versions, SHA256 file hashes, and registry values, on government equipment to produce reports on status and provide steps for maintaining compliance using Powershell and Bash.Assisted in development of a user interface that directs commands between user and hardware on router and modem systems to update firewall software using C#.Developed a script to convert unknown file types in the database to recognizable file types.Tested and tracked results for search functionality in knowledge management software.	
Suez Water Technologies Application Engineer	Sep 2018 – Apr 2020
<ul style="list-style-type: none">Built and maintained visualizations to track process variables in industrial sites, implementing new features and improving user reporting experience.Developed analytics and visualization packages specific for customers utilizing process gas compressors, multi-effect ethanol evaporators, and reverse osmosis systems.Programmed mass and energy optimization calculations in Python.Assisted in setup and maintenance of new customer accounts, including troubleshooting sensor readings.	

CERTIFICATIONS

AWS Certified Machine Learning Engineer - Associate (AWS Sagemaker AI): ROI Training
Software Engineering Immersive Bootcamp (React, PostgreSQL): General Assembly
Fundamentals of Data Science (Python, Jupyter Notebook): General Assembly