

[INSERT AGENCY LOGO]



2025 NYC Summer Internship Program Application Form

Agency Details and Contact Information

Agency Department of Social Services Division Accountability Office
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Agency Description

The Department of Social Services (DSS) is comprised of the administrative units of the NYC Human Resources Administration (HRA) and the Department of Homeless Services (DHS). Through integrated management for HRA and DHS, client services can be provided more seamlessly and effectively. The City leverages shared services functions across agencies, which results in better day-to-day management and building an integrated mission across agencies.

Unit Description

DSS Accountability Office
Mission

The DSS Accountability Office (DSS-AO) is responsible for protecting the integrity of social services programs administered by the New York City Department of Social Services (DSS) and ensuring that DSS complies with all statutory, regulatory, and contractual standards.

Office of Data Security Management
Mission

The Office of Data Security Management structures and runs the Information Security Program, protecting the Department of Social Services, by diligently governing Agency operations and management as it relates to the cybersecurity triad of confidentiality, availability, and integrity.

Internship Position Description

Position Title	Machine Learning / Data Science Intern
Job responsibilities:	<ul style="list-style-type: none">• Work directly with a Cyber Security Analyst, under the direction of the Chief Information Security Officer (CISO), on a new and exciting machine learning project to create and automate anomaly detection machine learning models.• Sharpen your data science and ML pipeline skills by owning the project from inception, including data collection and cleaning, exploratory data analysis, data visualization, as well as training, testing, and tuning a model for production.
Internship Responsibilities	<ul style="list-style-type: none">• Conduct query scripting using our Security Information and Event Management (SIEM) tool to collect and aggregate data for analysis and ingestion into the ML model.• Analyze and identify trends and patterns in user data related to system logs, network packets, and other logs that capture user behavior.• Experiment with supervised and unsupervised learning algorithms such as clustering, regressions, classifiers, and neural networks.• Improve the accuracy and performance of the model over the course of the internship.
Qualifications / Special Skills / Area of Study	<ul style="list-style-type: none">• A rising junior, senior, or graduate-level computer science or data science student or in a related field.• Analytically minded with completed coursework in linear algebra, data science, machine learning or an equivalent knowledge of applied mathematics.• Experience with Python packages such as Pandas, Numpy, Scikit-Learn, TensorFlow, Keras, PyTorch, Matplotlib, and/or Seaborn. • Familiarity with a Windows Enterprise environment is a plus.• Coursework or previous experience in Computer Security or Cybersecurity is nice to have.
Application Process	<p>If you're interested, please submit your resume to all of the following contacts:</p> <p>Rashad Ralph: ralphr@dss.nyc.gov Jonathan Owusu: owusujo@dss.nyc.gov Sathish Ningaiah: ningaiahs@dss.nyc.gov Ardavan Naeini: naeini@dss.nyc.gov</p>
Salary	\$18.50 - \$19.00 (UG) / \$21.50 - \$26.30 (G)

The City of New York is an inclusive equal opportunity employer committed to recruiting and retaining a diverse workforce and providing a work environment that is free from discrimination and harassment based upon any legally protected status or protected characteristic, including but not limited to an individual's sex, race, color, ethnicity, national origin, age, religion, disability, sexual orientation, veteran status, gender identity, or pregnancy.