

2018 NYC SUMMER INTERNSHIP PROGRAM

AGENCY NAME

DEPARTMENT OF SANITATION

DIVISION

DSNY/Operations Management Division

ADDRESS1 125 worth street, Room 801,

ADDRESS2 New York , NY

CONTACT NAME Arnab Ghosh

E-MAIL arghosh@dsny.nyc.gov

PHONE

FAX

AGENCY DESCRIPTION (Max characters 3000)

The NYC Department of Sanitation (DSNY) promotes a healthy environment through efficient management of the City's solid waste and environmentally sound long-range planning to handle New Yorkers recycling and garbage. DSNY is the world's largest sanitation department, collecting more than 10,500 tons of residential and institutional garbage and 1,760 tons of recyclables every day. DSNY also clears litter, snow and ice from some 6,000 miles of streets, removes debris from vacant lots and clears abandoned vehicles from City streets.

UNIT DESCRIPTION (Max characters 1000)

The Operations Management Division (OMD) provides statistical review and analysis for evaluating DSNY's managerial and operational performance, including, most recently, a comprehensive review and sweeping redevelopment of the methodology used by the Department for citywide snow clearing operations. The Division provides performance results to executive staff, field managers, and the public, to provide insight into organizational performance and help evaluate future initiatives. OMD also develops all departmental forms and provides reprographic services for the agency.

POSITION TITLE (Max characters 100)

DSNY 010 - Summer Graduate Intern - Programmer Analyst

INTERNSHIP RESPONSIBILITIES (Max characters 1500)

The selected candidate will collect and review data regarding past operations practices and will provide research and analysis to inform future projects in the Collection Office, Personnel Management Division, and Bureau Operations Office. Duties will include:

- Application development using C#, ASP Dot net, Python
- PL/SQL programming
- ETL using informatica and Pentaho Kettle

QUALIFICATIONS/SPECIAL SKILLS/AREA OF STUDY (Max characters 1500)

Candidate must be currently enrolled in a graduate degree program in an accredited college, university or law school.

Prefer candidate be enrolled in a graduate program in computer science, information science, data science computer engineering or other related fields.

APPLICATION PROCESS (Max characters 700)

Email resume and brief cover letter indicating the title of the position to arghosh@dsny.nyc.gov

SALARY RANGE

\$830.55 weekly (\$23.73 P/H).

Internship may be used to fulfill college credit requirement

ADDITIONAL INFORMATION / COMMENTS (Max characters 700)

Assignments will begin on or after May 21 and last between 10 and 13 weeks.

nyc.gov/dcassip

2018 NYC SUMMER INTERNSHIP PROGRAM

AGENCY NAME

DEPARTMENT OF SANITATION

DIVISION

Bureau of Information Technology (BIT)

ADDRESS1 137 Centre Street

ADDRESS2 New York, NY 10013

CONTACT NAME Rita Benmoshe

E-MAIL ideas@dsny.nyc.gov

PHONE

FAX

AGENCY DESCRIPTION (Max characters 3000)

The NYC Department of Sanitation (DSNY) promotes a healthy environment through efficient management of the City's solid waste and environmentally sound long-range planning to handle New Yorkers recycling and garbage. DSNY is the world's largest sanitation department, collecting more than 10,500 tons of residential and institutional garbage and 1,760 tons of recyclables every day. DSNY also clears litter, snow and ice from some 6,000 miles of streets, removes debris from vacant lots and clears abandoned vehicles from City streets.

UNIT DESCRIPTION (Max characters 1000)

The Bureau of Information Technology (BIT) is responsible for the design, development and support of innovative digital products, services and systems that provide operational, analytical and managerial support functions for our agency's users - to achieve this, we are expanding our team. The products we make resemble digital start-ups and we use similar approaches to build them. We need people who love a challenge and are willing to successfully take on difficult tasks, contribute to their team and learn on the job.

POSITION TITLE (Max characters 100)

DSNY 014 - IT Quality Assurance Intern (Summer Graduate Intern)

INTERNSHIP RESPONSIBILITIES (Max characters 1500)

Under the supervision of BIT staff, this intern will perform Quality Assurance tasks. Duties will include one or more of the following:

- Creating test cases for User Stories scheduled for development
- Updating existing test cases according to requirements changes
- Updating QA regression scenarios with new functionality
- Assist manual QA team with functional testing
- Assist automation QA team with smoke and regression scripts

QUALIFICATIONS/SPECIAL SKILLS/AREA OF STUDY (Max characters 1500)

Candidates must be currently enrolled in a graduate degree program in an accredited college, university or law school.

Prefer candidate with what is listed below:

- Proficient in Microsoft Office programs, specifically: Excel, Outlook
- Excellent communication skills, both oral and written
- Well organized with attention to detail and ability to carry out tasks independently
- Strong organizational skills and ability to multi-task with competing priorities
- Collaborative and team-orientated
- Highly motivated and proactive, resourceful, strong initiative, action-oriented, strong sense of accountability
- Strong personal drive and motivation with a commitment to excellence and personal and professional growth
- Possesses high-value personal qualities: resourceful, responsible, tenacious, independent, self-confident, high-energy, etc.
- Currently working towards a Graduate degree in Computer Science.

APPLICATION PROCESS (Max characters 700)

Email resume and brief cover letter indicating the title of the position in the subject line to ideas@dsny.nyc.gov

If contacted for an interview, candidates must bring a transcript or enrollment verification statement from their school, attesting that they are enrolled in an accredited graduate degree program. Full background check is required.

Only those applicants under consideration will be contacted.

SALARY RANGE

\$830.55 weekly

Internship may be used to fulfill college credit requirement

ADDITIONAL INFORMATION / COMMENTS (Max characters 700)

Assignments will begin on or after May 21 and last between 10 and 13 weeks.

2018 NYC SUMMER INTERNSHIP PROGRAM

AGENCY NAME

DEPARTMENT OF SANITATION

DIVISION

Bureau of Information Technology (BIT)

ADDRESS1 137 Centre Street

ADDRESS2 New York, NY 10013

CONTACT NAME Dan Starobin

E-MAIL ideas@dsny.nyc.gov

PHONE

FAX

AGENCY DESCRIPTION (Max characters 3000)

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POSITION TITLE (Max characters 100)

DSNY 012 - Data Architect Intern (Summer Graduate Intern)

INTERNSHIP RESPONSIBILITIES (Max characters 1500)

Under the supervision of BIT staff, this intern will conduct research, review internal processes, and develop requirements that will help further establish the agency's data architecture standards and policies, data consolidation and big data strategies. The individual will assist in designing data structures that more efficiently and flexibly support business processes.

- Be part of the team developing the vision, strategy and tactics associated with designing and building a data lake that will address reporting, analytics, storage and operational functions.
- Assist in developing and implementing a data collection and cleansing strategy that minimizes data redundancy and establishes a single source of truth for a wide array of datasets across a number of DSNY's operational domains.
- Conduct and assist in conducting interviews with business and IT units to understand and document existing data, its structure, its use and related business domain.

- Help design conceptual and logical data models and flowcharts.
- Help research and evaluate data lake architectures and data ingestion, transformation and consumption paradigms.
- Support other members of the team (including the Enterprise Architect, Solutions Architect, Data Architect and Technical Architect) by contributing to other projects on an *ad hoc* basis.
- Work collaboratively with members of other teams as required.

QUALIFICATIONS/SPECIAL SKILLS/AREA OF STUDY (Max characters 1500)

Candidates must be currently enrolled in a graduate degree program in an accredited college, university or law school.

Prefer Graduate student in technology such as Computer Science, Computer Engineering, or Information Systems

- A clear understanding of major RDBMS tools such as Oracle and SQL Server
- A clear understanding, and ideally some experience with NoSQL data stores and structures
- An understanding multidimensional data models
- Familiarity with data lake concepts
- Familiarity with ETL architectures, data movement technologies, database partitioning, database optimization, and constructing communication channels between structured and unstructured databases.
- Understanding of data structure principles, and experience working with large and complex data sets, real-time/ near real-time analytics, and distributed data platforms
- Exposure to or experience with cloud platforms (e.g. AWS, Azure) is a plus
- Familiarity with REST/ Web services

APPLICATION PROCESS (Max characters 700)

Email resume and brief cover letter indicating the title of the position in the subject line to ideas@dsny.nyc.gov

If contacted for an interview, candidates must bring a transcript or enrollment verification statement from their school, attesting that they are accepted to or enrolled in an accredited graduate degree program. Full background check is required.

Only those applicants under consideration will be contacted.

SALARY RANGE

\$830.55 weekly

Internship may be used to fulfill college credit requirement

ADDITIONAL INFORMATION / COMMENTS (Max characters 700)

Assignments will begin on June 5 and last between 10 and 13 weeks.

2018 NYC SUMMER INTERNSHIP PROGRAM

AGENCY NAME

DEPARTMENT OF SANITATION

DIVISION

DSNY/Bureau of Information Technology

ADDRESS1 33 Whitehall Street

ADDRESS2 6th Floor

CONTACT NAME Don Han

E-MAIL dhan@dsny.nyc.gov

PHONE

FAX

AGENCY DESCRIPTION (Max characters 3000)

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POSITION TITLE (Max characters 100)

DSNY 013 - Web Developer Intern (Summer Graduate Intern)

INTERNSHIP RESPONSIBILITIES (Max characters 1500)

Under the supervision of BIT staff, this intern will perform web research development tasks. Duties will include one or more of the following:

- Develop cross-browser compatible and responsive website using HTML5, CSS3, JQuery, AngularJS, and React.
- Work closely with UI and UX designers to develop ground breaking interactive experiences through wireframes and prototypes
- Keep up-to-date with the latest web technologies
- Responsible for incorporating current coding trends into each unique layout to produce an up-to date style for websites

QUALIFICATIONS/SPECIAL SKILLS/AREA OF STUDY (Max characters 1500)

Candidates must be currently enrolled in a graduate degree program in an accredited college, university or law school.

Prefer candidate currently working towards a graduate degree in Computer Science, Computer Engineering, Information Systems, Management Information Systems, Technical Engineering or related IT discipline.

Desirable skills

- Responsive web design
- Mobile web development
- Working on .NET / JAVA or similar web platform
- Experience optimizing JavaScript performance
- SQL Server 2008 database knowledge
- Experience creating web pages using Web technologies HTML5 and CSS3
- Working experience with JavaScript libraries; e.g. jQuery
- Knowledge of the principles of design, responsive design and best practices
- Excellent eye for detail

APPLICATION PROCESS (Max characters 700)

Email resume and brief cover letter indicating the title of the position to dhan@dsny.nyc.gov

If contacted for an interview, candidates must bring a transcript or enrollment verification statement from their school, attesting that they are accepted to or enrolled in an accredited graduate degree program. Full background check is required.

Only those applicants under consideration will be contacted.

SALARY RANGE

\$830.55 weekly

Internship may be used to fulfill college credit requirement

ADDITIONAL INFORMATION / COMMENTS (Max characters 700)

Assignments will begin on or after May 21 and last between 10 and 13 weeks.

2018 NYC SUMMER INTERNSHIP PROGRAM

AGENCY NAME

DEPARTMENT OF SANITATION

DIVISION

Bureau of Recycling and Sustainability (BRS)

ADDRESS1 44 BEAVER STREET

ADDRESS2 NEW YORK, NY 10004

CONTACT NAME Samantha MacBride

E-MAIL mrosa@dscy.nyc.gov

PHONE

FAX

AGENCY DESCRIPTION (Max characters 3000)

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UNIT DESCRIPTION (Max characters 1000)

The Bureau of Recycling and Sustainability (BRS) plans, implements, promotes, and evaluates DSNY's recycling, reuse, and waste prevention programs. The Bureau runs programs, conducts research, facilitates trainings and site visits; participates in public events; develops and deploys educational materials and social media campaigns to help residents, schools, agencies and institutions, and businesses sustainably manage their waste.

POSITION TITLE (Max characters 100)

DSNY 004 - Summer Graduate Intern - Database and CRM Development Intern

INTERNSHIP RESPONSIBILITIES (Max characters 1500)

Under the supervision of BRS staff, this interns work with BRS developers in all aspects of the bureau's transition from a MS Access/SQL server database system to a MS Dynamics Customer Relationship Management (CRM) system. Tasks including project management, gathering business intelligence, writing use cases and other forms of documentation, coordinating testing, and solutions building within a MS Dynamics environment.

QUALIFICATIONS/SPECIAL SKILLS/AREA OF STUDY (Max characters 1500)

Candidate must be currently enrolled in a graduate degree program of an accredited college, university or law school. Prefer candidate in any field, but students with related coursework in Computer Science or Business Analytics will be given priority. Must have good knowledge of relational database and CRM concepts, and show a strong ability to learn quickly and think strategically and logically. Project Management experience a plus.

APPLICATION PROCESS (Max characters 700)

Email resume and brief cover letter indicating the title of the position to mrosa@dscy.nyc.gov

SALARY RANGE

\$830.55 weekly

Internship may be used to fulfill college credit requirement

ADDITIONAL INFORMATION / COMMENTS (Max characters 700)

Assignments will begin on or after May 21 and last between 10 and 13 weeks.

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AGENCY NAME

DEPARTMENT OF SANITATION

DIVISION

Bureau of Recycling and Sustainability (BRS)

ADDRESS1 44 BEAVER STREET

ADDRESS2 NEW YORK, NY 10004

CONTACT NAME Samantha MacBride

E-MAIL mrosa@d sny.nyc.gov

PHONE

FAX

AGENCY DESCRIPTION (Max characters 3000)

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POSITION TITLE (Max characters 100)

DSNY 001- Summer Graduate Intern - Business Intelligence Intern

INTERNSHIP RESPONSIBILITIES (Max characters 1500)

Under the supervision of BRS staff, graduate intern will support Research Analysts, Data Managers and Developers in designing, testing, and promulgating metrics based reporting systems, including data visuals and tabular information. The intern will also support management in process visualization and documentation.

QUALIFICATIONS/SPECIAL SKILLS/AREA OF STUDY (Max characters 1500)

Candidates must be currently enrolled in a graduate degree program in an accredited college, university or law school.

Must have good knowledge of Microsoft Excel, Visio and Word, data management, and data visualization software. Familiarity with Power BI, python, R, visual basic, MS Access and/or SQL is a plus.

APPLICATION PROCESS (Max characters 700)

Email resume and brief cover letter indicating the title of the position to which you are applying to:

mrosa@d sny.nyc.gov

SALARY RANGE

\$830.55 Per week

Internship may be used to fulfill college credit requirement

ADDITIONAL INFORMATION / COMMENTS (Max characters 700)

Assignments will begin on or after May 21 and last between 10 and 13 weeks.

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