

# 2016 NYC SUMMER INTERNSHIP PROGRAM

## AGENCY NAME

NYC DEPARTMENT OF TRANSPORTATION

## DIVISION

**DOT-009-ITT-Open Source Development Project**

**ADDRESS1** 55 Water Street, 8th Floor

**ADDRESS2** New York, NY, 10041

**CONTACT NAME** Sue Grecke

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**PHONE**

**FAX**

## AGENCY DESCRIPTION (Max characters 3000)

DOT's mission is to provide for safe, efficient and environmentally responsible movement of people and goods in the City of New York and to maintain and enhance the transportation infrastructure crucial to the economic vitality and quality of life of our primary customers, City residents.

Our Department serves all residents of New York City as well as commuters, tourists and other visitors that use our City's streets, sidewalks, waterways and public plazas. We also serve the trucking industry and other businesses that rely on our transportation infrastructure for their business needs. We serve users across different modes and needs including: pedestrians, cyclists, motorists, truck drivers, the elderly, the disabled and the very young.

## UNIT DESCRIPTION (Max characters 1000 )

Applications Development- We seek application development interns to complement our seasoned & experience application development staff. The candidate will design, code and implement computer programs for a variety of data processing needs; perform analysis and modification of existing programs and operations to meet changing needs and to provide for system enhancements; write maintenance and user documentation to support programs; test and debug programs for accuracy and reliability.

## POSITION TITLE (Max characters 100)

College Aide or Summer Interns

## INTERNSHIP RESPONSIBILITIES (Max characters 1500 )

Summer Interns Application development using open source technologies such as PHP, Ruby, PostgreSQL, MySQL, etc. Review of existing systems and document functionalities. Collaborating & contributing code to version control system. Monitoring system alerts and ensures continued operation of systems. Database modeling and implementation.

Expected experience to be gained from internship include but not limited to: proficiency in implementing architected solutions; confidence in collaboratively implementing software, experience building software using various experience building software using various software development methodology such as agile and/or waterfall.

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

Undergraduate or Graduate Students

Major: Computer Science, Computer Information System or related fields

Additional Qualifications: Must have at least two semester of programming courses in C++, C#, Java or related objected oriented language. Candidates who can program in PHP, Ruby or have experience with Drupal CMS is highly desirable. Excellent foundations in computer science and programming required.

Proficient in C#, Java, C++ and other object oriented languages. Must have hands-on experience in web programming such as PHP, Ruby, CMS- Drupal & JavaScripted framework such as JQuery, Backbone, AngularJS, etc.

**APPLICATION PROCESS (Max characters 700 )**

E-mail resume with cover letter to: [sgrecke@dot.nyc.gov](mailto:sgrecke@dot.nyc.gov)

**SALARY RANGE**

College Aide: 12.55-14.15    Summer Intern: 12.38-20.58

Internship may be used to fulfill college credit requirement

**ADDITIONAL INFORMATION / COMMENTS (Max characters 700 )**

While school is in session, the College Aide is asked to work 17 hours a week. We will work with your schedule. While on summer break, the student is asked to work up to 35 hours a week. We do not work evenings or weekends.

Summer Interns work 35 hrs a week and the assignment ends on August 26, 2016.