

# 2022 DDOT Internship Program

Research, Development & Technology Transfer

## Enterprise Data Plan Internship

The DDOT Information Technology Office plans, develops, manages, and provides information technology-related services to DDOT and ensures those services align with the agency's strategic goals and objectives.

Transit and transportation data originates from numerous sources into dispersed databases maintained by various vendors and departments. The various data sources led to inefficiencies that resulted in duplicate platforms, incompatible systems, incompatible data models, vagueness in data ownership, and inapplicable governance structures.

### Project Description

The DDOT OCIO is developing a comprehensive enterprise data plan to transform DDOT into an open and service-oriented Smart Government organization with programs and services optimized in simple modern, and effective ways for digital access anytime, anywhere from any device. An open user-centric collaborative approach, information and data management, "Big Data" analytics, and information security are enablers for DDOT OCIO digital services and play a critical role in achieving this vision.

This project will support the research and development of an integrated set of initiatives that together comprise the DDOT Enterprise Data Program - DDOT EDP.

An intern Data Scientist will:

- Research methods to analyze, strategize, and architect data to determine standards
- Develop technical data requirements and create business solutions.
- Interview business units
- Design a data services inventory from interviewing business units within DDOT
- Analyze current data sources
- Design a data service catalog.
- Expected outcomes:
  - Repository of data services identified during interviews
  - Repository of data owners
  - Mapping of data services to data owners
- Create data structure for data services inventory
- Initial analysis of data gathered
- Identify improvements for delivering data
- Document business processes that support service-oriented Smart Government
- Recommend process for implementing DDOT EDP

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## *Enterprise Data Plan Internship*

### Intern Skills

- Familiar with using data to create business solutions
- Experience with Data Modelling and Database Management
- Familiar with Systems Analysis and Design
- Familiar with Applied Math and Statistics
- Familiar with the use of Design Software
- Excellent Communication Skills.
- Knowledge of Databases and Cloud Architecture.
- Knowledge of Applicable Tools: Tableau, PowerBI, SQL, JIRA, Azure, JIRA

### Educational Background

Graduate student in Computer Information Systems

Bi-weekly stipends of \$1,600

To apply, visit [www.hutrc.org/internships](http://www.hutrc.org/internships)