

## Data Engineer Intern

**Start Date:** June 2018  
**Team:** Team Systems and Data  
**Location:** Brooklyn, NY

### About Achievement First:

Achievement First, a non-profit 501(c)3 charter school management organization, operates 34 public charter schools in Brooklyn, Connecticut and Rhode Island. The mission of Achievement First is to close the achievement gap and deliver on the promise of equal educational opportunity for all children, regardless of race or economic status. Achievement First currently educates more than 14,000 students in historically underserved neighborhoods, with over 90% of our students identifying as Black and Latino. With its college-preparatory focus, the Achievement First approach is attaining breakthrough academic gains throughout the network. Beyond our students and schools, Achievement First is an engaged and prominent partner in the larger conversation about how to improve public education and student achievement in our country.

Achievement First's approach to teaching and learning enables every student to succeed at the highest levels. This involves:

- Recruiting and developing successful teachers and school leaders and empowering them to use student data to strategically drive instruction;
- Creating a joyful school culture where it is "cool to be smart" that emphasizes character education and focuses students on college;
- Providing students with more time on task and intense intervention when they are struggling so that no child falls through the cracks.

For more information about Achievement First's mission, approach, schools and team, please visit our website at [www.achievementfirst.org](http://www.achievementfirst.org).

### About Team Systems & Data:

Team Systems & Data works to ensure that both the leadership and teachers at Achievement First and its network of schools have the systems, data, reports and skill sets to support strategic decision-making and to inform instructional planning. Team Systems & Data accomplishes these objectives by supporting and coordinating high-quality data practices in schools, by creating applications to support data collection, by building the data infrastructure to support data access, by conducting a rigorous analysis of the data to identify patterns and insights and by reporting these findings to key constituencies both inside and outside the organization.

### Responsibilities of the intern will include but are not limited to:

- Implementing extract, transform and load (ETL) routines to ingest data from multiple sources into a data warehouse
- Developing data structures and SQL queries to support data analysis and Tableau visualizations
- Contributing towards the design and modeling of database schemas and objects
- Leveraging RESTful APIs to extract data from sources systems

### Skills and Characteristics

- Strong technical and programming skills;
  - Fluency with relational database design and SQL
  - Proficiency with Python and RESTful APIs
  - Experience with database technologies such as MS SQL Server and Amazon Redshift
  - Familiarity with data warehousing and dimensional modeling
- Ability to thrive in a fast-paced environment; ability to work independently
- Self-starter with strong work ethic and a passion for problem-solving
- Ability to write clean, modular code and deliver high quality work with strong attention to detail
- Excellent oral and written communication skills
- Belief in the Achievement First mission and educational model
- Maturity, humility, sense of humor and “roll-up-my-sleeves” attitude

### Educational Background and Work Experience

- Recent graduate or pursuing a Bachelor’s Degree in Computer Science or related field (pursuing graduate studies is a plus).

### Compensation

The Summer Database Developer is expected to work 40-50 hours a week (with some flexibility in scheduling) and will receive a competitive stipend for this 8-12 week internship

### To Apply

To submit an application, please send your **resume and cover letter** to:

[SysTechJobs@achievementfirst.org](mailto:SysTechJobs@achievementfirst.org)

Applications will be accepted on a rolling basis until the position is filled. Candidates are encouraged to apply as soon as possible.

Achievement First is an equal opportunity employer and an organization that values diversity. People from all diverse backgrounds are strongly encouraged to apply. You can learn more about diversity at Achievement First here: <http://www.achievementfirst.org/about-us/diversity/>.