



EMPLOYMENT OPPORTUNITY

Transportation Modeler

Summary

The city of San Francisco is at the center of the evolution of local, regional and global transportation systems, and the San Francisco County Transportation Authority is leading the way in understanding the effects of emerging technologies, crafting policy and investment solutions that address current and future needs, and ensuring that our transportation systems work for all communities. We're looking for applicants with one year or more of experience to join our Technology, Data and Analysis division, which is responsible for providing technical and analytic support for agency activities.

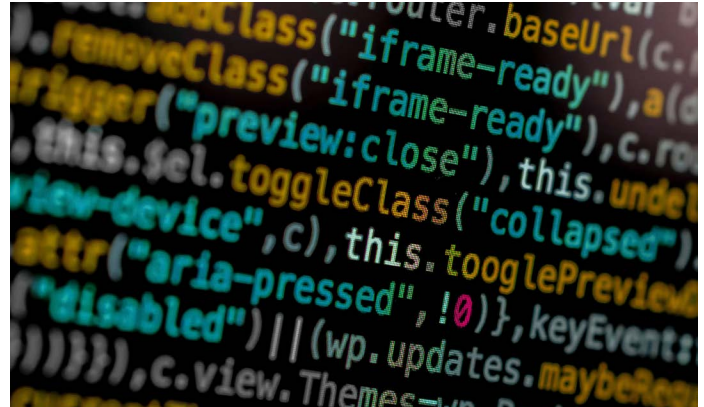
Key Details

Minimum Qualifications

Basic knowledge of the principles, techniques and methods of transportation planning. Basic understanding of the process of transportation data collection and travel behavior analysis to estimate and apply statistical models for travel demand forecasting purposes. Basic knowledge of activity-based travel model concepts and/or agent-based micro-simulation; computer system administration and maintenance; environmental impact assessment process per California Environmental Quality Act guidelines. Basic understanding of data analysis techniques and data management principles. Basic knowledge of program and project management principles and techniques used in leading and supporting multiple information technology programs and projects. Proficiency with standard computer spreadsheet, word processing, database management, and presentation software.

Skills and Abilities

Basic skills to use travel forecasting software packages such as Citilabs TP+, EMME, etc. Proficiency with computer programming languages such as Python, R, and C#; SQL for database management; ArcGIS and open GIS platforms. Proficiency with standard computer programs; spreadsheet, word processing, database management and other office administration software. Basic skills for developing and maintaining web-based data visualization tools using Javascript, leaflet, D3, etc. Ability to not only learn new computer programming languages as needed but also to learn new statistical and machine learning techniques to wrangle with emerging big data sources. Ability to collect, analyze and interpret data pertaining to planning issues using appropriate methods, statistical techniques and data science tools such as Python Pandas library and R; summarize and present technical data and prepare written reports and recommendations; speak effectively and write clearly and concisely.



Training and Experience

Completion of a graduate degree in an appropriate discipline such as transportation planning, data science, computer science, information systems, civil engineering, geography or related field and one (1) year of experience in transportation planning, travel demand forecasting or GIS analysis for transportation planning purposes. Applicants may substitute completion of a graduate degree with two (2) years of additional qualifying experience.

Compensation Range

\$86,730 - \$119,863 commensurate with experience

Submission

This recruitment will remain open until filled. However, first consideration will be given to individuals who respond by March 13, 2020. Send cover letter (indicating where you saw this job posted) and resume via email (jobs@sfcta.org) or visit sfcta.org/employment-opportunities-sfcta

We are An Equal Opportunity Employer

We believe diversity and inclusion strengthen our work, and we strive to ensure our staff represents the communities we serve.

For full details please visit
sfcta.org/employment-opportunities-sfcta
