



Chicago Metropolitan Agency for Planning

233 South Wacker Drive
Suite 800
Chicago, Illinois 60606

312 454 0400
www.cmap.illinois.gov

Data Systems Programmer (DSP045) October 5, 2012

Company/Agency: **Chicago Metropolitan Agency for Planning**
Job Category: **Assistant Analyst**
Experience Required: **Minimum 2 years of relevant experience**
Salary Range: **Commensurate with assistant level experience**

The Chicago Metropolitan Agency for Planning (CMAP) is seeking to hire a Data Systems Programmer. The Chicago Metropolitan Agency for Planning (CMAP) is the region's official comprehensive planning organization. Its GO TO 2040 planning campaign is helping the region's seven counties and 284 communities to implement strategies that address transportation, housing, economic development, open space, the environment, and other quality of life issues. Visit our website at www.cmap.illinois.gov for more information. CMAP serves as the authoritative source for regional data collection, exchange, dissemination, analysis, evaluation, forecasting, and modeling. These activities are critical to providing CMAP and its partners with objective, definitive assessments of current and future regional conditions. Accordingly, CMAP is committed to maintaining a staff of highly qualified professional technicians, analysts, and modelers to secure relevant data using state-of-the art analytical tools. In support of GO TO 2040, CMAP developed an online application, www.metropulsechicago.org, for tracking data indicators at the regional and sub-regional levels. The MetroPulse website's launch has surfaced a need for additional online data systems, all of which require ongoing maintenance and enhancement.

Position Description

This position will be responsible for creating and maintaining online data products, including interactive web pages, data visualizations, application programming interfaces (APIs), data-drive applications, GIS maps and similar items. Responsibilities:

Essential Functions

- Create and maintain web applications
- Create and maintain data visualizations
- Create and maintain online GIS maps
- Process raw data and ensure data quality
- Document code and data in a professional manner
- Help to build CMAP's capacity for maintaining a robust data management program
- Manage code using Git or a similar code repository

Knowledge, Skills and Abilities

The successful candidate must have basic skills in web programming. Familiarity with applying data resources in urban planning environments is desired. The following skills are not required of applicants, but will become important for the Data Systems Programmer position. CMAP will provide training opportunities as needed to build the successful candidate's expertise in these skill areas.

- Web development using HTML, Javascript and CSS
- Scripting languages such as Python, C# and VB.NET
- Relational databases and structured query language (SQL)
- Microsoft IIS and ASP.NET
- ESRI ArcGis Server
- Data visualization tools
- Management of large datasets in various formats
- Familiarity with urban planning and public policy issues, and the of role of data in urban planning
- Ability to communicate with non-technicians about data and data systems

Education and Experience

Applicants should have at least a bachelor's degree in computer science, information systems or a related field. A minimum of two years' relevant experience in web development or a similar field is required. Preference will be given to candidates who have experience in applying data to urban planning.

Contact Information

Send your resume, cover letter with contact information and **Job Code DSP045** to:

Email:

hresources@cmap.illinois.gov

Mail:

Human Resources

CMAP: Chicago Metropolitan Agency for Planning

233 S. Wacker Drive, Suite 800

Chicago, IL 60606

www.cmap.illinois.gov

Position open until filled. The Chicago Metropolitan Agency for Planning is an Equal Opportunity Employer.