Jim Cser

Technical Writer

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Technical Skills

Researcher and Modeler, Oregon Metro 1999-2020 (layoff due to COVID-19 related budget cuts)

Programmed and operated the MetroScope land use model, an analytic tool used by Portland Metro to forecast and evaluate regional policy options and transportation projects.

This work directly informed critical decisions voted on by the elected Metro Council: the Urban Growth Report (UGR), which determines future land needs for a region of 1.5 million people and growing; the Regional Transportation Plan (RTP), which is the plan for future federal transportation investments (in 2018, $15 billion for 25 years)

Experience with: R, Python, C#, SQL, XML, HTML, CSS, PostgreSQL, Git source control
ESRI GIS tools including ArcGIS desktop, ArcGIS Online, geoprocessing tools, developer SDKs
MS Office, including MS Word and Excel with VBA macros

Writing Skills

Basic knowledge of API doc tools: Stoplight (link), Swagger (link), Postman, Curl

Volunteer work for the GitLab development platform, Oct 2020 - present
- Bringing API docs into compliance with style guide
- Converting API Markdown docs into YAML OpenAPI standard

Documentation of a Python project that uses the Foursquare API (link)
- Capstone for the online IBM Data Science Certificate course

Documentation and user guides for the MetroScope land use model (link)
- Operator Guide, Technical Overview, Data Table Definitions, Function Definitions

Metro 2018 Growth Decision, ArcGIS Online story map (link)
- Summary of the recent Portland Metro Council land use decision

Education

California Institute of Technology, B.S. Applied Physics 1985
Oregon Graduate Institute, M.S. Applied Physics 1991