

MARIA JOSEFSON

GIS Professional with a passion for public service

Swampscott, MA

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PROFESSIONAL EXPERIENCE

City of Everett, Department of Planning and Dev./ GIS Coordinator

May 2014 - June 2020, Everett MA

Provided in-house GIS expertise for a medium-sized urban municipality. Collected, created, updated and managed geospatial data for city departments. Maintained [Online Maps and Apps](#) portal, prepared clear and engaging city maps, designed custom-tailored web maps. Fulfilled internal and external geodata and mapping requests. Assisted coworkers with varying technical skills on how to use GIS tools and interpret GIS data.

Non-GIS Planning Projects: awarded and completed a \$12,000 [MHC Historical Survey & Planning Grant FY2017](#); facilitated Open Space Initiatives with MAPC: [Everett Earthworks: A Ripple Effect](#) and [Jon Norton Community Rain Garden](#).

City of Everett, Everett Cultural Council / Staff Administrator

July 2018 - June 2020, Everett MA

Reconvened and administratively supported the [Everett Cultural Council](#). Recruited and onboarded new members, organized and facilitated meetings in accordance with Open Meeting Law, maintained financial records and processed reimbursements for over \$20,000 in grant funding annually. In collaboration with the Communications Department, created the City Hall Art Gallery and held three art exhibits. Awarded a [\\$4,446 Grant](#) from the [Everett Citizens Foundation](#) on behalf of the Cultural Council.

Town of Dedham, Department of Infrastructure Engineering / GIS Intern

September 2011 - March 2014, Dedham MA

Performed geospatial data creation and maintenance, cartographic production and application development under the mentorship of GIS Manager. Carried out updates for various data layers including parking, trash/recycling routes, street signs and open space. Other duties included GPS field work and fulfilling GIS requests for the Engineering Department and other town departments.

Syracuse University, Maxwell School / Graduate Teaching Assistant

August 2009 - May 2011, Syracuse NY

Responsible for the computer laboratory component of an upper level introductory GIS course; independently taught weekly laboratory sections and graded student work. Assisted students with completion of final projects in a diverse array of disciplines, encompassing humanities, social and physical sciences.

ACADEMIC PUBLICATIONS

Gao, P. and Josefson, M. (2012). [Event-based suspended sediment dynamics in a central New York watershed](#). *Geomorphology*, 139-140, 425-437.

Gao, P. and Josefson, M. (2012) [Temporal variations of suspended sediment transport in Oneida Creek watershed, Central New York](#). *Journal of Hydrology*, 426-427, 17-27.

Gao, P., Borah, D., and Josefson, M. (2013). [Evaluation of the storm event model DWSM on a medium-sized watershed in Central New York, USA](#). *Journal of Urban and Environmental Engineering*, 7(1), 1-7.

SKILLS

- ArcGIS Desktop/Pro
- ArcGIS Online
- JavaScript
- Python
- SQL
- Microsoft Office Suite

EDUCATION

Syracuse University

Graduate Level Physical Geography Coursework

Sediment Transport, Quantitative Geographic Analysis, Environmental GIS, GIS-Based Modeling, Spatial Analysis, River Form and Function.

Harvard University Extension School

Graduate Level Computer Science Coursework

Computer Science, Data Structures, Web Development, GIS, Biostatistics.

Boston University BA, Environmental Science

Biology, Chemistry, Environmental Sciences with labs; "Semester at Sea" at Marine Biological Laboratories.

LANGUAGES

Fluent in Russian