

## EXPERIENCE

**Vermont Agency of Digital Services** assigned to

**Vermont Agency of Agriculture, Food & Markets, 2013 - Present**

- Geospatial Technologies Manager: GIS, SDE, ArcGIS Online, Project Management & Development Established the Agency's first enterprise database in SDE
- Centralize data scattered across the state from units including the Dairy, Animal Health, Water Quality, Farm to School, Agriculture Development, and Plant Industry.
- Build Agency's first GIS Web Services with agency's first ArcServer license.
- Connect & support all agency GIS users to centralized GIS Services.
- Develop custom web applications for non-GIS users to leverage.
- Provide GIS Support for State Emergency Operations.
- Geocode the State's dairy farms for emergency management purposes.

**Saint Michael's College, Environmental Science Program, 2016 - Present**

Adjunct Faculty: Introduction to Geographic Information Systems

- Hired as the first and only GIS faculty in SMC
- Teach in the interdisciplinary Environmental Science program.
- Train students from across the college learn how to use GIS, usually for the first time.
- Enable students to accomplish their own research goals with GIS tools.

**Joanna Geographica, LLC 2014 - Present**

GIS Director: GIS & Related Services

- Client Include: Cabot Creamery, NOFA-VT, and MyWebGrocer.
- Client requests include custom cartography, web applications for non-GIS users, mobile applications, GIS training, and consulting on ad geo-targeting.

**University of Vermont, Geography Department, 2015 - 2016**

Part-time Faculty

- Courses taught: GeoTechniques, on the GeoTech track, which included basic geographic critical skills, GIS and remote-sensing.
- Support Geography Department's GIS technology program.

**MyWebGrocer, 2010 – 2013**

Sr. Operations Specialist

- Managed DTS & SSIS data jobs from hundreds of client stores and their dynamic connections to our web services.
- System Analyst in Engineering where we practiced Agile software development, skills to manage technical projects.
- Transitioned to the then-new Brand Operations unit where I did ad data analytics and started MWG's ad geo-targeting program.

**Vermont Monitoring Cooperative (State of VT & UVM), 2006 – 2010**

Web & Data Manager

- Built enterprise database for hundreds of research datasets for the State of Vermont and

UVM.

- Wrangled data from countless principal investigators for data.
- Managed live data service feeds.
- Managed web site with live data services.
- Solely responsible GIS operations for entire organization.

### **City of New York, 2001 – 2006**

Mayor's Office of Emergency Management & Dept. of Information Technology

GIS Specialist

- Hired shortly after World Trade Center attacks in 2001 to assist with recovery operations.
- Heavy load of custom cartography
- Wrangling the City's GIS data into an enterprise environment optimized for sharing with other agencies for emergency response.
- City of New York emergency responder in the City's Emergency Operation Center as well as in OEM's Mobile Data Center

### **N-Space Labs, 2002**

GIS Specialist

- Cartography, data research, assessment, organization, communication, Avenue development for clients.

### **American Museum of Natural History & NASA, 2000 – 2002**

GIS Specialist

- Geospatial techniques with Goddard Space Flight Center and Cal Tech JPL using GIS to build frames for science education films for other museums and NASA visitor centers.

## **EDUCATION**

**Hunter College**, Geography Department

M.A. Geography & Geographic Information Science: Fall 2004

**Syracuse University**, Maxwell School of Citizenship & Public Affairs

B.A. Public Policy Analysis: December 1997

**Hebrew University**, Jerusalem, Israel 1994-1995

## **COMMUNITY**

Board Member, Burlington Ward 5 Neighborhood Planning Assembly, 2017 – Present

- Coordinating Ward Public Meetings on Burlington issues, monthly

Board Member, Champlain Elementary PTO, 2016 – Present

- "Geek" is my official title. I manage all of our social media, family dataset, etc.
- Coordinating Champlain Elementary community of families
- Assist in Fundraising events.

- Run Champlain Elementary Book fair with Pheonix Books.
- Facilitate partnership with City Market
- Unofficial “Community Organizer” title. I help our principal, parents’, and teachers’ voices reach the school board on issues important to our school, and build relationships with PTO leadership at other Burlington schools.

Patronage Seedling Grant Committee, City Market / Onion River Co-op 2016 – Present

- Evaluate grant applications for ~\$60k in funds from City Market’s Patronage Seedling Grant Committee program. (The uncashed dividend-refund checks.)

Representative, State of Vermont Enterprise Geospatial Consortium, 2013 – Present

- The Enterprise Geospatial Consortium is a governing body of GIS guidelines for the State of Vermont. It’s comprised of GIS leadership in the State.

Board Member, City Market / Onion River Co-op, 2013 – 2016

- City Market board directors are responsible for supervising operations of City Market’s \$41M business including the expansion into multiple stores and all legal and financial paperwork involved.
- Reviews and approves financials for the co-op including audits.
- Reviews and approves real estate transactions for the co-op.