

PROFESSIONAL EXPERIENCE

Management Systems International, Arlington, VA Feb. 2016 – Present

Software Developer Creates full stack web applications, ranging from custom survey tools to data-driven dashboards and analysis tools. Developed an end-to-end web, mobile, and desktop suite for designing, administering, and analyzing country-level early grade learning assessments that has been used to test reading and math abilities of nearly 20,000 children in three countries. Deploys and maintains web apps on AWS EC2 Ubuntu servers.

Cape Cod Commission, Barnstable, MA May 2014 – Sep. 2015

GIS Analyst/Developer Built and deployed web mapping applications for Cape Cod's county government. Created a web mapping application to display and "grade" infrastructure planning scenarios in context of local economic and environmental data. Developed an interactive, data-driven information product highlighting various aspects of Cape Cod's economy.

Maptime Cape Cod, Barnstable, MA Feb. 2015 – Sep. 2015

Co-founder and Organizer Launched local chapter of Maptime, a global community that fosters teaching and learning of modern mapping technologies and trends. Led a meetup on web maps that included a live coding demo showing how to build a simple, interactive web map.

TECHNOLOGY STACK

Languages JavaScript, Ruby, HTML5, SASS, Unix CLI, Python

Frameworks/Libs Angular 1.x, Rails, D3.js, Bootstrap, PouchDB, Cordova, React, Electron

Databases PostgreSQL, MongoDB, CouchDB, MSSQL

DevOps AWS EC2 & S3, Nginx, Ubuntu, Capistrano, Git, Github, Atlassian, Heroku

PRESENTATIONS & AWARDS

MERL Tech (Monitoring, Evaluation, Research & Learning), Washington, D.C. Sep. 2017

Lying with Maps and Other Adventures in Spatial Data Co-presented about common pitfalls and misuses of maps in the international development space, and shared best practices and actionable tips to consider when working with spatial data.

Major League Data Challenge, Washington, D.C. Nov. 2015

Contest Winner Claimed first prize in data visualization challenge hosted by creative analytic design firm, Graphicacy. Visualized the careers of baseball's 20 best players using D3.js.

Esri Developer Summit, Washington, D.C. Feb. 2015

GIS Analysts Earn Web Development Chops Presented web map development from the perspective of a novice. Highlighted my process, highs and lows of learning to code, and resources that led to success.

EDUCATION

General Assembly, Washington, D.C. – Web Development Immersive Jan. 2016

Duke University, Durham, NC – Master of Environmental Management May 2014

Davidson College, Davidson, NC – Bachelor of Science in Biology May 2012