violet lingenfelter

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/violet-lingenfelter

EXPERIENCE

GIS DEVELOPER   Boston, MA
MBTA | June '18 - Present
Full-stack developer of data-driven tools with UX driven, responsive web-based interfaces that make large, complex data sets accessible to non-technical audiences. Specialize in dynamic spatial data visualization using d3.js, Leaflet.js, and Turf.js and spatial analysis using R and ESRI products.

GIS ASSISTANT   Boston, MA
Emerald Necklace Conservancy | Jan - June '18
Managed GIS data collection and performed analysis on collected data for park maintenence. Developed web maps for public outreach using ArcGIS Online and tree locations.

DRINKING WATER PROGRAM INTERN   Boston, MA
MassDEP | Jan '18 - May '18
Assisted with revising drinking water supply GIS data, as well as reviewing and identifying wellhead protection delineations that require updating.

OCEAN CONSERVATION INTERN   Boston, MA
Environment America | Sept '17 - Jan '18
Managed outreach efforts such as phone banking, petitioning and event planning. Conducted media outreach by contacting reporters, drafting and submitting Letters to the Editor, and organizing and attending press conferences.

CANVASSING FIELD MANAGER   Santa Cruz, CA
Fund for the Public Interest | June - Sept '17
Hired, trained, managed and motivated teams of canvassers for door to door environmental campaigns. Worked under pressure and problem solved for the team.

INDEPENDENT GIS PROJECT   Boston, MA
Northeastern University | April '18
Used ESRI's ArcGIS to overlay San Francisco's topography, 311 case data, US census data, and public works data to analyze the effectiveness the Pit Stop Program, a public restroom project by the city of San Francisco.

EDUCATION

NORTHEASTERN UNIVERSITY   Boston, MA
Bachelor of Science | Aug '16 - May '21
Candidate for a Bachelor of Science in Environmental Science with a minor in Computer Science.

HONORS AND AWARDS
Accepted into the University Scholars Program, Northeastern's most prestigious academic community (top 1% of incoming class).

RELEVANT COURSEWORK
GIS, Advanced Spatial Analysis, Advanced Spatial Analysis of Urban Systems, Big Data for Cities, Biostatistics, Fundamentals of Programming I & II, Global Oceanic Change

IFALPES FRENCH INSTITUTE   Annecy, France
Study Abroad | May - June '17
Took French immersion courses while staying with a non-English speaking host family.

SKILLS

LANGUAGE
Native English speaker. Studied French for 6 years, earned California State Seal of Biliteracy

ENGLISH C2   FRENCH C1

COMPUTER
ArcGIS, QGIS, Racket, LaTeX, R, Python (spatial analysis), Microsoft Office (PowerPoint, Word, Advanced Excel), Java, HTML, CSS3, JavaScript (ES5 & ES6), jQuery, React, D3, Leaflet.js, Turf.js, Adobe Suite, exposure to C++, SQL, PostgreSQL, GraphQL

HOBBIES & INTERESTS
Beekeeping - kept hives from 2008 -2016
Bass Playing - played upright bass and tuba for 9 years
Knitting - keep an Etsy shop stocked in my free time