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CHRISTOPHER CARDINAL

Seeking a challenging and creative position in GEOGRAPHICAL INFORMATION SYSTEMS and DATA ANALYSIS with an emphasis on modeling spatial processes to understand and resolve environmental and social issues.

QUALIFICATIONS

- A decade as a GIS and data analyst in diverse fields including land conservation, urban planning, urban ecology, and epidemiology
- Excellent technical problem solving and project management skills honed by more than a decade as an IT professional
- Proven experience in simultaneously managing numerous independent projects

RECENT PRODUCTS

- An interactive climate change map of the United States, as a part of an online essay sponsored by Ben & Jerry's on the The New York Times website, data provided by NRDC: <http://paidpost.nytimes.com/ben-and-jerrys/shouldering-the-burden.html>
- An interactive map showing current/proposed FEMA flood zone boundaries to educate and inform residents of New York City: <http://floodhelpny.org/>
- A crowd-sourced, web-based map displaying human rights research around the world: <http://historicaldialogues.org/mhdp/>

PROFESSIONAL EXPERIENCE

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| <i>GIS/Web Consultant</i> The New York Times New York City 2015 – Present | Developed idea for an animated map showing climate change in the United States. Worked with scientists at the National Resources Defense Counsel to obtain and display climate change data. |
| <i>GIS Manager/Web Consultant</i> Columbia University New York City 2014 – Present | Work with the Institute for the Study of Human Rights to develop an online, crowd-sourced mapping application to show worldwide research being conducted on human rights abuses. Completely redesigned and manage the Institute's website. Worked with Engineering Department to manage all GIS aspects of an online emergency management and strategic planning tool. |
| <i>GIS/Data Analysis Consultant</i> Center for NYC Neighborhoods New York City 2012 – 2016 | Managed all GIS data and processes. Collaborated with federal, state and local organizations to create products for civic empowerment and education. Developed a flood insurance and climate-change web application as a policy advocacy and public empowerment tool. |
| <i>GIS/IT Consultant</i> Open Space Institute New York City 2002 – 2014 | Acted as GIS consultant, performing research, data acquisition and management, model design, and implementation of GIS-related projects. |

Setup, configured and managed ArcGIS Enterprise Server, ArcSDE database, and all related components.

Served as information technology project manager and consultant, managing servers, security, networking equipment, and all information technology services.

IT Consultant
Roundtable Technologies
New York City
2001 – 2014

Acted as IT project manager and consultant for many non-profit organizations in New York City.

Played key role in technology budget process, technical planning, and project implementation.

..... TECHNICAL SKILLS

GIS
Programming/Database
Spatial/Statistical Packages
Web APIs

ArcGIS, QGIS, PostGIS, ArcGIS Online
Python, JavaScript, PHP, MySQL, PostGreSQL
R, GWR, GeoDA, Crime Stats
Leaflet, D3, CartoDB, GoogleMaps, OpenStreetMaps

..... EDUCATION

Utah Master Naturalist, 2016
Utah State University

Earned certificates in deserts and watershed environments of Utah, with focus on the Grand Staircase Escalante National Monument and Great Salt Lake watershed.

MA, Geography, 2010
Hunter College
New York City

Curriculum included Advanced GIS, Spatial Analysis, Remote Sensing, Computer Programming for GIS, Modeling for GIS, and others. A final GIS-based thesis completed in August 2010.

Masters of Urban Planning, 2003
Hunter College
New York City

Curriculum included Economic Planning & Policy, Statistics & Demography, Site & Land Use Planning and others. A one-year studio consisted of a comprehensive land use plan for a neighborhood in Queens.

BS, Natural Resource
Management, 1993
Rutgers University
New Brunswick, New Jersey

Curriculum included Principles of Ecology, Environmental Law & Policy, Forestry & Wildlife Management, and Environmental & Natural Resource Economics.

..... REFERENCES

Matthew Hassett, Director of Communications, The Center for NYC Neighborhoods, matthew.hassett@gmail.com
Ariella Lang, Director, Alliance for Historical Dialogue/Accountability, Columbia University, al223@columbia.edu
Adam Aston, Vice President, Editorial Director — T Brand Studio, adam.aston@nytimes.com