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CHRISTOPHER CARDINAL

Seeking a challenging and creative position in DATA ANALYSIS and GEOGRAPHICAL INFORMATION SYSTEMS with an emphasis on understanding and resolving environmental and social issues.

QUALIFICATIONS

- Many years in GIS, data management and analysis, 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

- A web app for parents, teachers and community leaders to find programs for their children, students, and community members:
http://parkyouthexchange.com/

- 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

- A crowd-sourced, web-based map displaying human rights research around the world:
http://historicaldialogues.org/mhdp/

PROFESSIONAL EXPERIENCE

GIS/Data Specialist
Golden Gate National Parks Conservancy
2018 – Present

Manage all aspects of two ArcGIS Online sites.

Lead planning and implementation for an ArcGIS Enterprise base deployment. Conducting return-on-investment estimation, needs assessments, and GIS workflow improvement assessments.

Develop and support three custom .Net MVC web applications and two Azure SQL Databases to support park programming and natural resource management.

Technical Mentor
www.codementor.io
2017 – Present

Assist students and young professionals learning technical skills in the fields of GIS, data management and analysis. Mentoring sessions are

held via video chat platform, screen sharing and online discussions.

GIS/Web Consultant The New York Times New York City 2015 – 2016	Developed idea for an animated map showing climate change in the United States. Worked with scientists at the National Resources Defense Council to obtain and display climate change data.
GIS Manager/Web Consultant Columbia University New York City 2014 – Present	Work with the Institute for the Study of Human Rights to develop and manage the Institute's website (http://www.humanrightscolumbia.org/). 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 (http://historicaldialogues.org/mhdp/). Worked with Engineering Department to manage all GIS aspects of an online emergency management and strategic planning tool.
GIS/Data Manager Center for NYC Neighborhoods New York City 2012 – 2016	Managed all GIS infrastructure, including ArcGIS Enterprise base deployment, and ArcGIS Desktop clients. 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.
GIS/IT/Data Manager Open Space Institute New York City 2002 – 2015	Served as an information technology project manager and consultant, managing servers, security, networking equipment, and all information technology services. Acted as GIS consultant, performing research, data acquisition and management, model design, and implementation of GIS-related projects.
IT Consultant Roundtable Technologies New York City	Acted as an IT project manager and consultant for many non-profit organizations in New York City.

2001 – 2014 Played a key role in technology budget process, technical planning, and project implementation.

TECHNICAL SKILLS

GIS	ArcGIS Desktop/Enterprise, ArcGIS Online, QGIS, PostGIS, Geoserver
Database	SQL Server, PostgreSQL, MySQL, SalesForce
Programming	Python, JavaScript, C#, R
Web APIs/ Data Visualization	VueJS, Leaflet, D3, R Shiny, CartoDB, Google Maps, Open Street Maps

EDUCATION

Utah Master Naturalist, 2016
Utah State University

Earned certificates in deserts and watershed environments of Utah, with a 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

Adam Aston, Vice President, Editorial Director — T Brand Studio, *adam.aston@nytimes.com*

Matthew Hassett, Dir. of Communications, The Center for NYC Neighborhoods, *matthew.hassett@gmail.com*

Kristina Renee Eberbach, Deputy Director of the Institute for the Study of Human Rights, Columbia University, *kre2104@columbia.edu*