Alexander C. Michels

■ michels9@illinois.edu♦ alexandermichels.github.io♦ github.com/alexandermichels

EDUCATION	
Ph.D. in Spatial Informatics University of Illinois at Urbana-Champaign	In Progress
M.S. in Geography and G.I.S. University of Illinois at Urbana-Champaign	In Progress
B.S. in Mathematics and Financial Economics Westminster College	August 2015 - May 2019
EXPERIENCE	
CyberGIS and CyberInfrastructure Researcher CyberGIS Center & Geospatial Information Laboratory (CIGI) - Supervised 4 undergraduate research assistants. Conducted hiring - Lead software developer on CyberGIS-Compute leading a team of - Implemented CVMFS repo to increase reproducibility and speed of - Created a JupyterHub deployment on OpenStack using Terraform - Managed mulitple Docker and DockerSwarm-based applications or	undergraduates. f multiple Jupyter platforms. and Kubernetes.
Systems Administrator and Software Engineer Titan Radio and WCN 24/7 Responsible for the infrastructure required to keep the radio and to Information Technology Intern Treloar & Heisel Maintained databases and wrote apps for company use in Java, Py Data Scientist and Informatics Researcher Institute for Pure and Applied Mathematics at UCLA & Praedicat, Built and deployed toolkit in Python to gain business insights from	New Castle, PA Sept 2018 - Dec 2018 Thon, and Visual Basic. Los Angeles, CA Inc. June 2018 - Aug 2018
PROJECTS	_
CyberGIS-Compute cybergis.github.io/cybergis.github	
CyberGIS-Jupyter cyberG	pergisxhub.cigi.illinois.edu arm and Kubernetes. sion using K8s on Openstack. erecovid19.cigi.illinois.edu
Data Science: Big Data, G.I.S., Network Science, Git, ML/AI, Par	callel Programming
Languages: Python, Bash, SQL (Postgres, PostGIS, pgRouting), Ja	0 0
Technologies: Ansible, Docker, Hadoop, Kubernetes, OpenStack, T	

Operating Systems: Linux (Debian/Ubuntu, CentOS/Scientific), Windows