## Alexander C. Michels

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	( grandstoom) aroxander miener
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 (CI	(GI) Present
<ul> <li>Lead development of projects including a Hadoop cluster</li> <li>Supervised and mentored multiple undergraduate research</li> <li>Worked with tools including Docker, Docker Swarm, Kub</li> </ul>	h assistants.
Data Scientist and Informatics Researcher Institute for Pure and Applied Mathematics at UCLA & Pr	$ \rat{ \begin{tabular}{l} $\P$ Los Angeles, CA \\ raedicat, Inc. $June~2018$ -$August~2018$ \end{tabular} }$
$-$ Worked to automating information extraction, classification business profiling of over $52,\!600$ companies and corporate	, 55 5
Systems Administrator and Software Engineer Titan Radio and WCN 24/7	New Wilmington, PA  May 2018 - May 2019
– Responsible for the infrastructure required to keep the ra	dio and television station operating.
Information Technology Intern Treloar & Heisel	¶ New Castle, PA September 2018 - December 2018
– Maintained databases and wrote apps for company use in	Java, Python, and Visual Basic.
Projects	
CyberGIS-Jupyter	s://cybergisxhub.cigi.illinois.edu/
<ul> <li>Platform for reproducible science using JupyterHub on D</li> <li>Redesigned CJW to use Easybuild &amp; Lmod and develope</li> </ul>	
WhereCOVID-19	s://where covid 19. cigi. illinois. edu/
<ul> <li>Dashboard for displaying up-to-date COVID-19 statistics</li> <li>Wrote pipeline to calculate access to medical resources. I</li> <li>Skills</li> </ul>	
Data Science: Big Data, G.I.S., Git, ML/AI, Parallel I	Programming Network Science
✓ Languages: Python, Bash, C++, R, SQL	10816mmmg, 1100WOLK Delence
Technologies: Docker, Hadoop (HDFS/Spark/Yarn), K	Kubernetes, OpenStack, Terraform
Operating Systems: Linux Windows	, •