

# SHAORAN ZHANG

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<https://github.com/shaoranz>

EDUCATION	<b>University of Michigan - Ann Arbor, Ann Arbor, MI</b>	<b>EXPECTED IN 08/2020</b>
	Master of Science in Information: Concentration in Data Science School of Information GPA:4.000 Master of Science in Architecture: Concentration in Digital Technology A. Alfred Taubman College of Architecture and Urban Planning GPA:3.625	
<b>RELEVANT COURSEWORK</b>		
	<b>Computer Vision, Machine Learning, Deep Learning</b> Mastery Course Project: Autonomous Vehicles Current Recognize Cuisines from Yelp Photos 2019	
	<b>Information Retrieval, Search Engine</b> MOOC Search Engine 2019	
	<b>Recommendation System, Link Prediction</b> Speed-dating: Match Prediction and Recommendation 2019 Social Network Analysis on Amazon co-purchasing Dataset 2019	
	<b>Natural Language Processing</b> Sequence Mining for Named Entity Recognition 2019	
	<b>HCI, Rapid Prototyping, Arduino, Digital Fabrication, 3D-Printing, AR &amp; VR</b> Fashion / Tech Hackathon: Thermo-Knit Pattern 2018 Folly 2018	
	<b>R, SQL, GIS, Data Visualization, Statistical Analysis</b> Investigate Bike Sharing Behavior In New York City 2017	
EXPERIENCE	<b>China Building Technique Group Co., Ltd - Beijing, China</b>	<b>07/2016- 06/2017</b>
	Intelligent City Institution Assistant Urban Planner, Assistant Architect <ul style="list-style-type: none"><li>Implemented and optimized analysis tools for Data-Driven Urban Planning and smart city Research.</li><li>Drafted reports, presentations for academic conferences.</li><li>Detected and diagnosed collective anomalies in urban systems based on cross-domain datasets.</li><li>Interfaced with clients, conducted interviews with stakeholders, presentations and problem solving.</li></ul>	
SKILLS	<b>Language</b> English (Proficient), Mandarin (Native)	
	<b>Programming</b> Python (Proficient), R (Proficient), SQL, HTML & CSS	
	<b>Tool</b> Python Statistical Tools (Proficient), RStudio (Proficient), Adobe Creative Cloud (Proficient), Tableau (Proficient), AutoCAD (Proficient), Rhino (Proficient), Django, Hadoop Platform, Apache Spark, TensorFlow, ArcGIS, Microsoft Access	
	<b>Method</b> Data Visualization & Communication (Proficient), Rapid Prototyping (Proficient), Statistical Analysis, Machine Learning, Data Mining, Contextual inquiry, Personas & Scenarios, Arduino, Robotic Fabrication, AR & VR	
AWARD& SCHOLARSHIP& GRANTS	Rackham Graduate Student Research Grant, University of Michigan	2018
	Master of Science Scholarship, University of Michigan	2017- 2018
	Merit Student of Southeast University, Southeast University	2013- 2014
	National Scholarship, China's Ministry of Education	2012- 2013