

HAMZA BACCOUCHE

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EDUCATION	UNIVERSITY OF MICHIGAN School of Information - Class of 2021 <ul style="list-style-type: none">• Major: Bachelor of Science in Information• GPA: 3.83/4.00, Major GPA: 3.95/4.00• Resident Advisor, University of Michigan Housing• Proficient in: Python (1 yr.), R (3 mo.), SQL (3 mo.), HTML/CSS (6 mo.)• Experience working with: Natural Language Processing, TensorFlow	Ann Arbor, MI
EXPERIENCE	UNIVERSITY OF MICHIGAN SCHOOL OF INFORMATION	Ann Arbor, MI
2018 - Present	Research Assistant <ul style="list-style-type: none">• Identified and categorized user disagreement & incivility in over 2,000 social media posts to establish pattern for recognition of online incivility by artificial intelligence• Coded text classifier model using Natural Language Toolkit with 92% model accuracy to automate text categorization of posts on various social media platforms• Created API utility and sorting tool that automatically compiles database of front-page subreddits to identify most popular Reddit news sources for online incivility project	
2017 - Present	RINGLE 1:1 ENGLISH PEER TUTORING English Tutor <ul style="list-style-type: none">• Tutored over 250 students including management-level employees at Fortune 500 companies through one-on-one speaking, presentation practice, and grammar bootcamps to increase student confidence & professionalism and broaden scope of work in English• Tutored college students at top tier universities in English with mock interviews and essay review & editing to prepare for job interviews, grad school applications, and TOEFL exam	Ann Arbor, MI
2018 - Present	VOX MEDIA: PRIDE OF DETROIT Staff Writer <ul style="list-style-type: none">• Produce Detroit Lions coverage content including predictions, game recaps, player analyses, and game previews 2-3 times per week with average readership of 1,500-2,000 per article• Featured guest and co-host on SB Nation "PODcast" with over 20,000 monthly listeners to share player analysis, game previews, and team insight for fans	Detroit, MI
2018 - 2019	NEXECON CONSULTING GROUP Business Analyst <ul style="list-style-type: none">• Identified 15 new potential wholesale accounts for Ann Arbor startup to optimize business practices increasing revenue by up to \$250,000 over the next 5 years• Implemented advertising campaign for bakery to increase reach by 10,000+ UM students	Ann Arbor, MI
2017 - 2018	UNIVERSITY OF MICHIGAN INSTITUTE FOR SOCIAL RESEARCH Research Assistant <ul style="list-style-type: none">• Conducted over 800 quality control tests on surveys for nationwide <i>Health and Retirement Study</i> to ensure accurate data recording and analysis for research• Compiled master list of over 60 current publications & research projects on encore careers to provide database of quantitative data for project team research on jobs after retirement	Ann Arbor, MI
Summer 2016	FORD MOTOR COMPANY Crash Safety Research Intern <ul style="list-style-type: none">• Holder of US Patent No. 10,029,736 "Roof frame including a brace reinforcing arched members" granted July 24, 2018; being filed for patents in Germany, Mexico, and China• Optimized roof beam structure on automated vehicles to maximize viewing surfaces and increase structural safety while providing more enjoyable user experience• Developed automated sorting process for Ford client information using Microsoft Excel to improve efficiency of organizing client data to enable instant search and retrieval	Dearborn, MI
ADDITIONAL	<ul style="list-style-type: none">• Casual proficiency in Arabic speaking and writing• 7 years' experience leading prayers and volunteering for Muslim Student Associations in school and at local mosques; currently on board of UM Muslim Student Association• Featured on Sports Illustrated while writing for SideLion Report and Last Word on Sports• Amateur unicyclist and juggler, aspiring football punter/kicker/long snapper	