

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• Minor: Computer Science• GPA: 3.86/4.00, Major GPA: 3.96/4.00• Resident Advisor, University of Michigan Housing; Peer Coach, School of Information• Proficient in Python, C++, SQL; Intermediate in R, Tableau• Experience with machine learning, data manipulation and visualization, web scraping, natural language processing	Ann Arbor, MI
EXPERIENCE Summer 2020	FACEBOOK Product Data Operations Intern <ul style="list-style-type: none">• Developed 50+ customizable SQL queries to automate performance audits on \$38M of vendor contracts, saving department 80 hours per week• Created project accuracy guidebook based on historical data from 80 projects, enabling project managers across 14 teams to set data-based incentive benchmarks for the first time• Overhauled 100+ dashboards to include accuracy data and daily updates, allowing performance changes for 6 vendors & 60+ projects to be identified and addressed faster	Remote
2018 – Present	UNIVERSITY OF MICHIGAN SCHOOL OF INFORMATION Research Assistant, Team Lead <ul style="list-style-type: none">• 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• Identified and categorized user disagreement & incivility in over 2,000 social media posts to establish pattern for recognition of online incivility by machine learning models	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
2017 – 2020	RINGLE 1:1 ENGLISH PEER TUTORING English Tutor <ul style="list-style-type: none">• Tutored over 300 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	Remote
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
ADDITIONAL	<ul style="list-style-type: none">• Holder of US Patent No. 10,029,736 “Roof frame including a brace reinforcing arched members” for autonomous vehicles granted July 24, 2018; being filed for patents in Germany, Mexico, and China• Casual proficiency in Arabic speaking and writing• 7 years’ experience leading prayers and volunteering for Muslim Student Associations in school and at local mosques; board member of UM Muslim Student Association• Featured on Sports Illustrated while writing for <i>SideLion Report</i> and <i>Last Word on Sports</i>• Football punting expert + high school varsity special teams coach	