

SANA KRICHEN

DATA SCIENTIST

EXPERIENCE

Postdoctoral Researcher | University of Houston

JAN 2019 – JUL 2019, REMOTE

- Finalized 3 PhD-related projects and trained 2 fresh team members.
- Published one peer-reviewed journal article.

Instructor | University of Houston

AUG 2015 – DEC 2018, HOUSTON, TX, USA

- Taught 4 engineering courses at the junior and sophomore levels and mentored over 350 undergraduate students.
- Developed syllabi and contents that outlined courses' requirements, goals, and objectives.
- Delivered lectures and prepared class sessions, assignments and exams.
- Created an interactive learning environment that improved the students' engagement by introducing hands-on activities to the class content.

Research Assistant – PhD Student | University of Houston

AUG 2013 – DEC 2018, HOUSTON, TX, USA

- Successfully delivered several collaborative research projects.
- Investigated cutting edge topics, interacted with fellow scientists and project partners, and attended conferences and workshops worldwide.
- Developed a strong sense of curiosity, an advanced critical thinking and problem-solving skills, and reinforced my team work experience.
- Co-authored and published 2 scientific papers in prestigious journals that reached over 65 citations to date.

<https://scholar.google.com/citations?user=R5hopc0AAAAI&hl=en>

Research Intern | Laval University

FEB 2012 – JUN 2012, QUEBEC CITY, QC, CANADA

- Analyzed and correlated the political activities on social media to the outcome of the elections in Tunisia following its 2011 revolution.
- Performed data analysis and statistical modeling using R.

EDUCATION

BrainStation | Diploma Candidate, Data Science

MAY 2020 - JUL 2020, ON, CANADA

University of Houston | PhD in Mechanical Engineering

AUG 2013 - DEC 2018, HOUSTON, TX, USA

Awards: ABS and Hall Awards (2015-2018), CAMAC Scholarship (2014-2017), Outstanding Teaching Assistant Award (2016), McMAT 2015-NSF Travel Award and ASME 2014 Student Travel Award, AMOCO Minority Scholarship (2014), Presidential Fellowship (2013-2014).

Tunisia Polytechnic School | Bachelor of Engineering, Minor in Economics and Scientific Management

AUG 2009 – JUN 2012, TUNIS, TUNISIA

krichen.sana@gmail.com

(514) 884-5656

[linkedin.com/in/sanakrichen](https://www.linkedin.com/in/sanakrichen)

github.com/skrichen

SKILLS

SQL, Python, R, Hypothesis Testing, A/B tests, Parametric and non-Parametric tests, Tableau, Matplotlib, Plotly, Bokeh, Seaborn, Tensorflow, Keras, Pytorch, AWS, Hadoop, Spark, Hive, Matlab, Mathematica

LANGUAGES

English, French, Arabic

PROFILE

I have a vivid sense of curiosity and a strong flair for solving problems. During my engineering studies and my PhD, I realized how important it is not only to collect data, but also to make sense of it. Our world today has sensors everywhere and new Data-based concepts and technologies keep flooding the market every day. The need for good Data Scientists to make the most of such massive amount of information is unprecedented and I believe my engineering, Data-driven mindset, along with my programming skills will give me the energy needed to succeed in the Data Science career path I chose to follow.