

I am a data visualization engineer/designer. I bring together user experience design, visual design, and computer science to solve data communication problems.

EXPERIENCE

United Nations | 2018

As part of Parson's Data Visualization program, I worked with the UN and **built a data visualization interface** that contributes to the UN's 2030 SDG.

Leibowitz Branding and Design | 2017–2019

Developed new identities and solved design problems

Created illustrations and edited photos for a Scientific Magazine of more than fifty pages.

Created new identities from scratch for wealth management clients that includes: logos, websites and stationaries

Designed visual presentations and infographics using Adobe InDesign for multiple clients

Makeable | 2017

Worked as a **user experience designer** to design a new website for Cognizant, Future of Work.

Designed wireframes and user interface of the website

Designed Super Thumbnails: a visual library that shows a creative summary of each publication in the database

EDUCATION

MS Data Visualization | 2019

Parsons–The New School For Design

Areas of Study:

Data Visualization & Information Aesthetics

Data Structures

Quantitative Methods

Machine Learning

Animating Information

Computational Form

BFA Communications Design | 2017

Syracuse University

SKILLS

Communications Design

Data Visualization

UX and UI Design

Animation and Interaction Design

Web Design

Information Design

Branding & Identity

Product Design

Publication Design

Tools

Adobe: Ai–Id–Ae–Au–Ps–Xd

Sketch

Mapbox

Git

Markdown

Programming

JavaScript:d3–p5–Chart

HTML/CSS

Python

OpenSCAD

R

VOLUNTEER

Saudis in USA | 2017

Worked as a **graphic designer** for the organization.

Syracuse University | 2015

Volunteered to be a **peer advisor** for the new students.



BATOOL AKBAR

she/her

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NYC

SELECTED PROJECTS

All projects can be found in www.batoolakbar.com

Medigon – Thesis Project

Jan-May 2019

Built an interface that utilizes polygons in visualizing blood test results to patients.

- Normalized blood test results for more simplification
- Created a visual language using Chart.js and polygons to easily distinguish blood test results of healthy vs unhealthy individuals based on the angle symmetry of the polygon.
- Developed an interactive interface that allows the patient to further investigate their test results using the dashboard.

Demo: <https://vimeo.com/337975236>

Project Page: <https://bsakbar.github.io/thesis/web/home.html>

Detailed description of the design process: <https://bsakbar.github.io/home-page/medigon.html>

Quality Education – United Nations

Sep-Dec 2018

Designed and developed a dashboard to study the relationship between access to electricity and level of education in Africa.

- Created an isometric projection of an interactive map of Africa using Mapbox and D3.js
- Developed autocomplete textbox and HTML buttons to control the map using JavaScript
- Designed three dimensional graphics using Adobe Illustrator of all countries in Africa and exported them as SVGs components to be shown on the page upon country selection

Demo: https://github.com/bsakbar/major-studio-1/blob/master/Final%20assignment/batool_screen_recording_final.mov

Project Page: https://bsakbar.github.io/major-studio-1/Final%20assignment/Final_Project.html