

**Senior data analyst** offering a sharp editorial eye and excellent writing skills. Expert leadership ability with 10+ years of print/digital/tv news experience. Skilled in D3, Leaflet, Tableau, Mapbox, Python, SQL. Deeply knowledgeable about the music industry, digital streaming services and chart analysis. My bylines have appeared in: *Rolling Stone*, *Worth*, *New York Times*, *Playboy*, *Bloomberg Businessweek*, *PORT*, *Billboard*, *SPIN*, *Pitchfork*, *the Village Voice*.

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**Languages & Aptitudes:** Python, Matplotlib, Pandas, JavaScript, D3, Chart, Leaflet, Plotly, Mapbox, GeoJSON, R, SQL, Spotipy, MongoDB, SQLAlchemy, Selenium, Tensorflow, Keras, HTML/CSS, Flask, Bloomberg, Tableau, Git, Hadoop, AWS.  
**Technical Skills:** Data Cleaning & Interpretation, Web Scraping, Data Visualization, VADER Sentiment Analysis, ETL, Regression (Linear, Multiple-Linear, SVR, Random Forest), Adobe Suite (Illustrator, Indesign, Photoshop), K4.

## PROJECTS

**COVID-19'S IMPACT ON THE NBA:** [HTTPS://SARAHGRANT11.GITHUB.IO/COVID-IMPACT-NBA-WNBA/](https://sarahgrant11.github.io/COVID-IMPACT-NBA-WNBA/)

- Built a machine-learning model using nearly-complete season statistics for the NBA & WNBA to determine probability of a "win."
- Group Project awarded "Most Potential For Impact" by Columbia Engineering admin; presented at CU's Demo Day 2020.
- **Tech Environment:** D3, Plotly, HTML5, Looping API calling, Bootstrap, Slack, Zoom, GitHub, VSCode, TensorFlow, SDKLearn.

**WHERE ARE PEOPLE HAPPIEST?:** [GITHUB.COM/SARAHGRANT11/WORLD-HAPPINESS-2020](https://github.com/sarahgrant11/world-happiness-2020)

- Using World Bank and Kaggle data we created an application and visualizations showing every country's happiness for last six years.
- Data cleaning with python, used Flask app for creating API from SQL database, used D3 for the visualizations.
- **Tech Environment:** Python, JavaScript, D3, MapBox, Plotly, Leaflet, SQL, Slack, Zoom, GitHub, VSCode.

**HEALTH RISKS BY STATE:** [HTTPS://SARAHGRANT11-HEALTH-RISK-D3.NETLIFY.APP/](https://sarahgrant11-health-risk-d3.netlify.app/)

- Created interactive scatter-plot visualization correlating rates of obesity, smoking status and healthcare access with rates of poverty, household income and age, based on Census data for every U.S. state.
- **Tech Environment:** D3, Javascript, HTML5, GitHub, VSCode

## WORK EXPERIENCE

**SENIOR EDITOR, BILLBOARD, JULY 2019 — JUNE 2020**

- Managed team of 20+ staff reporters and freelancers covering the music business for biweekly print section, The Market.
- Used K4, edited with Google Docs and worked with copyediting and fact-checking teams under tight deadlines.
- Collaborated weekly with Art/Photo team on the section's custom graphics for the opener and section layout.

**NEWS EDITOR, ROLLING STONE, APRIL 2016 — JULY 2019**

- Led 24-hour assignment desk with team of 10+ staff and freelance reporters in Portland, Chicago, London, Nashville.
- Assigned, edited and published an average of 20 quick turnaround news stories per day via Slack, CMS, WordPress, Hootsuite.
- Contributed original reporting, profiles, and analysis to online and print, frequently collaborating with video and graphics teams.

**BUSINESS SCHOOLS REPORTER, BLOOMBERG NEWS, MAY 2015 - APRIL 2016**

- Wrote analysis for Bloomberg's Best Business Schools 2016 data package. Wrote daily Game Plan newsletter and weekly infographic on how to get a job at an in-demand company, The Cheat Sheet. Several articles in **Top 10 Most Read** on Bloomberg Terminal.
- Proficient in research via Bloomberg Terminal, WestLaw, PACER, LexisNexis.

**ASSOCIATE PRODUCER, BLOOMBERG TELEVISION, DEC. 2012 — MAY 2015**

- Wrote/edited creative short video read-throughs on political and financial news for "Money Clip." Booked and produced news segments for U.S. daytime programming and London morning shows, covering EMEA Markets.

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## LEADERSHIP & PUBLIC SPEAKING

- **By:Larm** Global Music Business Conference; *Speaker*.
- **Backstage Pass With Citi**, *Interview series moderator*.
- **Rolling Stone Podcast on SiriusXM**, *Guest Co-Host*.
- **Step Up Women's Leadership**, *music business panel*.
- **Pay It Forward**, *Co-Chair of youth mentorship program*.

## EDUCATION

**Columbia University**, Fu School of Engineering — 2020  
*Certificate, Data Analytics & Visualization*

**Johns Hopkins University**, Z.K. Arts & Sciences — 2011  
*B.A. Writing Seminars & English*