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# Luke Heeringa

## DATA SCIENTIST

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### SKILLS

Python (pandas, numpy, scikit-learn, keras, tensorflow, pytorch, matplotlib, seaborn)  
Java STATA SQL Matlab R C++ Tableau Spark Scala AWS DataBricks  
Machine Learning Neural Networks Natural Language Processing (NLP) Git/GitHub  
A/B Testing Data Pipelines Data Analytics Web Scraping Data Visualization

### EXPERIENCE

#### General Assembly - Data Science Immersive

NOVEMBER 2020-MARCH 2021, REMOTE

Modeled and analyzed data, coded in Python, and presented findings in a 480-hour course culminating in various machine learning portfolio projects:

- Correctly classified 92% of unseen reddit text using NLP and logistic regression
- Boosted R-squared score of high school graduation rate prediction model from <40% to >70% by transforming finance data to a per-student, log-scaled rate
- Trained neural network on over 125 hours of Mel-frequency cepstral coefficient transformed audio to classify samples as 1 of 5 spoken languages

#### Action for Boston Community Development - Planning Assistant

SEPTEMBER 2019-NOVEMBER 2020, BOSTON, MA

- Managed and reported analytics on community needs assessment surveys across 14 neighborhood sites for use in the organization's 3-year strategic plan
- Assembled proposals securing multi-million dollar grant funding for programs serving more than 100,000 low-income clients in Greater Boston
- Facilitated and moderated daily department meetings in transition to remote work

#### MassINC - Freelance Research Assistant

MARCH 2019-APRIL 2019, BOSTON, MA

- Profiled, researched, and surveyed more than 500 local leaders across the 26 Massachusetts Gateway Cities
- Composed quantitative summary report to the Federal Reserve on the state of diversity in city government and local business

#### State Street Bank & Trust - Asset Liability Management Co-op

JANUARY 2017-JUNE 2017, BOSTON, MA

- Published daily Mark-to-Market reports aggregating data from company holdings and Bloomberg bond rates for executive leadership
- Designed, maintained, and enhanced department Excel macros and KPI reports

### EDUCATION

#### General Assembly - Data Science Immersive

NOVEMBER 2020 - MARCH 2021, REMOTE

#### Northeastern University - BA, Mathematics & Economics

SEPTEMBER 2014 - DECEMBER 2018

- Minors in Political Science and Computer Science
- Northeastern Shakespeare Society founding member, actor, director, and treasurer