

# Hailee Schelble (Schuele)

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## EDUCATION

**University of California, Berkeley** School of Information, Berkeley, CA August 2022 - April 2024  
Master of Information and Data Science

- Relevant coursework includes *Research Design, Data Engineering, Stats for Data Science, Stat Methods for Discrete Response/Time Series/Panel Data, Applied ML, ML at Scale, and ML Systems Engineering*
- Member of the Leadership Development Program for Gender Equity

**Boston College** College of Arts & Sciences, Chestnut Hill, MA Graduated May 2016  
B.A., *cum laude*, Major in International Studies and Minor in Medical Humanities

- Relevant coursework includes *Statistics, Principles of Microeconomics, Principles of Macroeconomics, Human Rights, and Public Health in Global Society*

## SKILLS & CERTIFICATIONS

**Technical:** Python (pyspark, tensorflow, keras, sklearn), R, SQL, EDA, ARIMA, Machine Learning, Kubernetes, CLI, Grafana, Docker, GitHub, MapReduce, Databricks

**Certifications:** Duke University Statistics with R Specialization

## PUBLICATIONS & PROJECTS

- Built cosine similarity clustering to recommend study groups to speed up the Interconnection Queue
- Scripted, containerized, optimized, and deployed 2 prediction services on minikube and AKS
- "Associations between proximity to gas production activity in counties and birth outcomes across the US", Preventive Medicine Reports, December 2022 [link](#)
- "Associations between prenatal exposure to power plants and birth outcomes across the United States", Public Health, March 2023 [link](#)

## PROFESSIONAL EXPERIENCE

**Climformatics – Data Science Intern** Fremont, CA September 2023 – December 2023

- Forecasted heat stress and fire danger, and explored decision-making methods for energy utilities
- Reviewed literature for machine learning methods for power outage prediction due to extreme events
- Project winner of Data Science Discovery Ribbon of Excellence

**Boston College – Research Analyst** Chestnut Hill, MA October 2019 – November 2022

- Co-authored publications about the association between natural gas production and power plant proximity on birth outcomes emphasizing the disproportionate burden on women of color
- Engineered data pipelines, including gathering, cleaning, quality checks, and mapping dictionaries

**Panalgo – Analyst II** Boston, MA February 2018 – July 2022

- Collaborated on custom strategies to implement observational research using 20+ real world data (RWD) sources including administrative claims, electronic health records, and hospital-based data
- Authored two 250+ page training documents and certification exams detailing the company platform's data model, analytic tools, and methodologies used to onboard clients and employees
- Drove engagement and platform utilization for 28+ large life sciences companies by leading 85+ support sessions and performing 13+ project reviews for senior health economics researchers
- Wrote R code for statistical calculations, custom tables, and to modify dataset structures for analyses
- Standardized onboarding and mentored incoming analysts as we grew from 5 team members to 36

**Definitive Healthcare – Account Manager** Framingham, MA August 2016 - February 2018

- Devised use cases for claims, financial, and population data for the individual business objectives of 140+ accounts across various verticals, including construction, food, and environmental services