Max Bahar (he/him)

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Education

Harvard University   Expected: May 2026
M.S. Data Science
Relevant Coursework: Mathematical Modeling, The Climate Energy Challenge, Visualization

Boston College   May 2021
B.A. Economics and Computer Science
Relevant Coursework: Climate Change and Society, Computability and Computational Complexity

Technical Skills

Software and Tools: Maptitude, Python (Pandas and NumPy), HTML, CSS, Javascript

Professional Experience

Caliper Corporation   July 2021 - June 2024
Analyst, Maptitude Mapping Software

- Analyzed Albertsons and Kroger store location data using Maptitude to explore the spatial impact of the companies' proposed merger, finding significant geographic overlap in several major cities and distinct demographic composition around the two companies' locations.
- Successfully trained and supported more than 100 Maptitude users from Fortune 500 companies and government organizations as evidenced by user feedback, empowering users by demystifying complex spatial data analysis concepts and fostering a high quality customer experience.
- Processed banking compliance data with up to 3 million records from the FFIEC's CRA and HMDA data using pandas and GISDK, resulting in seamless data integration with Maptitude.
- Iteratively designed user interface elements for Maptitude Online mapping software, using feedback from key stakeholders to ensure a high quality user experience by simplifying complex mapping workflows into intuitive, wizard-driven processes.

Boston College Computer Science Department   January 2019 - May 2020
Teaching Assistant, Computer Science II and Computer Systems

- Reviewed, debugged, and provided feedback on Java and C code for up to 20 students bi-weekly, strengthening their understanding of data structures and algorithms.
- Facilitated student success by simplifying complex programming and computer science concepts through clear, accessible explanations during office hours, improving students' academic performance.

Relevant Projects

Boston College Economics Senior Thesis   August 2020 - May 2021
"Long Term Effects of Parental Migration on Indonesian Income"

- Planned and executed a year-long research project that shed light on the increasing prevalence of non-labor migration in Indonesia, an underexplored subject in existing migration literature.
- Processed and analyzed five waves of a large panel dataset in STATA to assemble parental migration histories, construct income and descriptive variables, and run an instrumental variable regression to estimate the long term effects of parental migration on income.

Boston College Economics Department   June 2020 - May 2021
Research Assistant to Professor Paul Cichello

- Researched and analyzed exponential growth trends in COVID-19 data then synthesized findings in five blog posts on the "Stats and Econ meet COVID-19" website.
- Designed clear data visualizations by cleaning and manipulating time series data with Stata, supporting the blog posts and making economics and statistics concepts more accessible to a broad audience.