

Lenny Bronner

Data Scientist

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Washington, DC

Relevant experience

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| 2017– | Data Scientist, THE WASHINGTON POST Build, test and deploy a metadata tagging engine for The Washington Post, which is used in ad targeting and recommender systems Build, test, and deploy the Counterpoint model, a system that shows readers the opposite political view of the opinion they are currently reading Build a tool that allows journalists to quickly find relevant images to include in stories Build an algorithm to predict whether a user will watch a video Build an document search tool for the newsroom that combines a variety of data sources Build a model that identifies bills that are secretly added to laws and pass Congress |
| 2014 - 2017 | Data Science Fellow, SIDEWIRE Designed and implemented a graph-based user importance scoring algorithm Built a deep neural network to identify the most informative paragraph in news articles Helped design and build a Long-Short-Term Memory neural network to preserve tree-structured part-of-speech tags Built internal data science tools to measure and visualize user engagement Build internal engineering tools, including for AWS integration and access as well as design tools |

Education

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| 2016–2017 | M.Sc in Statistics, STANFORD UNIVERSITY Helped build a drone avoidance system for temporal image processing, with a Convolutional Long- Short-Term-Memory network GPA: 3.73/4.0 |
| 2012-2016 | B.Sc in Mathematical and Computational Science, STANFORD UNIVERSITY Built a political affiliation score predictor using follower information from Twitter GPA: 3.73/4.0 |

Working papers

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| 2019 | “Rule Induction for Topic Tagging” (with Al Johri and Patrick Cullen) |
| 2017 | “Network Analysis of Brain White Matter in Individuals with Autism Spectrum Disorder” (with Anton Apostolatos) |
| 2017 | “Hansard2Vec - An NLP Analysis of British Parliamentary Debate (1803 - 1918)” (with Laura Bronner) |
| 2016 | “Using Convolutional Neural Networks to Identify the Higgs Boson” (with Anton Apostolatos, Ben Nachman and Ariel Schwartzmann) |

Skills

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| Software | Python, SQL, Java, R, L ^A T _E X |
| Languages | English, German |