

Benjamin Tanen

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Work Experience	Senior Analyst , Analysis Group	August 2017 – Present
	Analyst Intern	June 2016 – August 2016
	<ul style="list-style-type: none">• Conduct quantitative and qualitative analyses and visualizations using large, non-homogenous datasets using R, Python, SAS, and SQL to support expert testimony in healthcare litigation• Lead teams of analysts, associates, and interns through analytical and research projects, working on a variety of workstreams in parallel while under tight deadlines• Synthesize statistical findings and technical results into summaries and visualizations and presented these along with actionable insights to internal teams and external clients• Mentor new and tenured analysts and associates through analytical and technical issues, communication with senior staff, and presentations to clients	
	Select projects: <ul style="list-style-type: none">• Designed statistical models for pharmaceutical drug distributors to monitor millions of transactions and identify suspicious ordering of opioids and other controlled substances• Developed interactive applications that enabled users to easily visualize and analyze prescribing trends for millions of drugs and physicians, saving consultants and clients hundreds of hours• Scraped and analyzed data on thousands of inmates detained during the COVID-19 pandemic to identify unsafe imprisonment practices for inmates and the general public health	
	Academic Technology Fellow , Tufts University	September 2014 – May 2017
Projects	<ul style="list-style-type: none">• Designed, developed, maintained, and supported a variety of research and education-based technology tools to aid and foster teaching and learning at Tufts University• Successfully built and integrated software and applications for teams and departments across the university including economics, cognitive sciences, philosophy, biology, and physics	
	Software Engineering Intern , Pegasystems	June 2015 - August 2015
	<ul style="list-style-type: none">• Implemented and optimized new and existing generation features for an enterprise software platform while working on a Scrum team using Java, HTML / CSS, and Agile methodology	
Projects	Visualizations and Analyses on ben-tanen.com	October 2014 - Present
	<ul style="list-style-type: none">• Created over 30 independent visualization and analysis projects to take insights and tell stories from a variety of political, music, media, and sports data, including:<ul style="list-style-type: none">◦ Generating custom Spotify playlists using k-means clustering◦ Using support vector machines to distinguish a Oscar Best Picture and a box office hit◦ Assessing the accuracy of IBM Watson's fantasy football predictions◦ Creating automated tools in Python for optimizing my Spotify library and playlists◦ Analyzing how a congressional bill <i>doesn't</i> become a law (inspired by Schoolhouse Rock)	
	ASL-LEX	December 2014 - May 2017
Education	<ul style="list-style-type: none">• Developed web application and lexical database of over 1,000 American Sign Language signs to help teach ASL to K-12 students, based on research from Tufts and BU graduate students• Winner of Best Interactive Visualization from The National Science Foundation's 2017 Vizzies	
	Tufts University - School of Engineering , Medford, MA	September 2013 - May 2017
	Bachelor of Science in <i>Computer Science (Engineering)</i> Minors in <i>Mathematics</i> and <i>Engineering Management</i> GPA: 3.81 / 4.0, <i>summa cum laude</i>	
Skills & Interests	Software: Python (Pandas, numpy), R (Shiny, ggplot), SQL, JavaScript (D3, JQuery, Node), Tableau, HTML5, CSS3, Processing, Excel / VBA, SAS, MATLAB, Photoshop/Illustrator, Git Interests: Soul Music, Law & Politics, Hockey, Filmmaking, Spicy Foods, Design, Comics	