

Benjamin Tanen

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Education	Tufts University - School of Engineering , Medford, MA 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> Honors: Tau Beta Pi, Dean's List (all semesters) Relevant Courses: Visualization & Analysis, Technical & Managerial Writing, Data Mining, Probability & Statistics, Algorithms, Data Structures, Mathematical Modeling, Discrete Math	September 2013 - May 2017
Work Experience	Senior Analyst , Analysis Group Analyst , Analysis Group <ul style="list-style-type: none">Conduct quantitative and qualitative analyses and visualizations to support and aid expert testimony in healthcare litigation using SAS, SQL, Python, R, and ExcelDevelop propriety software application in R to help non-quantitative users easily visualize and analyze prescription trends seen across millions of drugs and physiciansConstruct statistical models for pharmaceutical distributors to analyze, monitor, and flag suspicious ordering and prescribing of opioids and other controlled substances Academic Technology Fellow , Tufts University <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 UniversitySuccessfully built and integrated software and applications for teams and departments across the university including economics, cognitive sciences, philosophy, biology, and physics Analyst Intern , Analysis Group <ul style="list-style-type: none">Conducted analyses to support and aid industry experts and counsel for international intellectual property and patent infringement litigation using SAS, SQL, Python, and ExcelConstructed and analyzed large healthcare claims datasets (more than 250-million observations) for use in a proprietary machine learning-based healthcare model Software Engineering Intern , Pegasystems <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	December 2018 – Present August 2017 – December 2018 September 2014 – May 2017 June 2016 – August 2016 June 2015 - August 2015
Projects	Visualizing Trump's Narrow Path to Victory <ul style="list-style-type: none">Explored Trump's narrow 2016 win and discussed which states might be at risk for him in 2020 Popular Movies vs. Great Films at the Oscars <ul style="list-style-type: none">Visualized a machine learning model to explore how the Academy Awards might distinguish between a "popular movie" and a "best picture" Gamifying the 2018 Olympic Games <ul style="list-style-type: none">Created rules and projections for a fantasy sports game of the 2018 Winter Olympic Games ASL-LEX <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 studentsWinner of Best Interactive Visualization from The National Science Foundation's 2017 Vizzies	July 2019 August 2018 February 2018 December 2014 - May 2017
Skills & Interests	Software: Python (Pandas, numpy), R (Shiny, ggplot), JavaScript (D3, JQuery, Node), HTML5, CSS3, Photoshop/Illustrator, Processing, SQL, Excel / VBA, SAS, MATLAB Interests: Soul Music, Law & Politics, Hockey, Filmmaking, Spicy Foods, Design, Comics	