

# Benjamin Tanen

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<b>Education</b>	<b>Tufts University - School of Engineering</b> , Medford, MA Bachelor of Science in <i>Computer Science (Engineering)</i> Minors in <i>Mathematics</i> and <i>Engineering Management</i> <b>GPA:</b> 3.81 / 4.0, <i>summa cum laude</i> <b>Honors:</b> Tau Beta Pi, Dean's List (all semesters)  <b>Relevant Courses:</b> Data Mining, Visualization and Analysis, Probability & Statistics, Computational Geometry, Algorithms, Mathematical Modeling, Linear and Abstract Algebra, Discrete Mathematics, Differential Equations, Programming Languages, Data Structures	September 2013 - May 2017
<b>Work Experience</b>	<b>Senior Analyst</b> , Analysis Group <b>Analyst</b> , Analysis Group <ul style="list-style-type: none"><li>Conducted quantitative and qualitative analyses and visualizations to support and aid expert testimony in healthcare litigation using SAS, SQL, Python, R, and Excel</li><li>Built propriety software application in R to help non-quantitative users easily visualize and analyze prescription trends seen across millions of drugs and physicians</li><li>Aided in the development of statistical models for pharmaceutical distributors to analyze, monitor, and flag suspicious ordering and prescribing of opioids and other controlled substances</li></ul> <b>Academic Technology Fellow</b> , Tufts University <ul style="list-style-type: none"><li>Design, develop, maintain, and support a variety of research and education-based technology tools to aid and foster teaching and learning at Tufts University</li><li>Successfully built and integrated software and applications for teams and departments across the university including economics, cognitive sciences, philosophy, biology, and physics</li></ul> <b>Analyst Intern</b> , Analysis Group <ul style="list-style-type: none"><li>Conducted analyses to support and aid industry experts and counsel for international intellectual property and patent infringement litigation using SAS, SQL, Python, and Excel</li><li>Constructed and analyzed large healthcare claims datasets (more than 250-million observations) for use in a proprietary machine learning-based healthcare model</li></ul> <b>Software Engineering Intern</b> , Pegasystems <ul style="list-style-type: none"><li>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</li></ul>	December 2018 – Present August 2017 – December 2018  September 2014 – May 2017  June 2016 – August 2016  June 2015 - August 2015
<b>Projects &amp; Activities</b>	<b>ASL-LEX</b> <ul style="list-style-type: none"><li>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</li><li>Winner of Best Interactive Visualization from The National Science Foundation's 2017 Vizzies</li></ul> <b>Tufts Streams</b> <ul style="list-style-type: none"><li>Built natural language processing application to digest, analyze, and visualize heterogeneous data streams (Twitter and RSS feeds, web content) for use by Tufts University administrators</li></ul> <b>Tufts Engineering Mentors, President</b> <ul style="list-style-type: none"><li>Managed mentorship program for more than 250 engineering mentors and mentees</li></ul>	December 2014 - March 2017  May 2016 - May 2017  December 2014 - March 2017
<b>Skills &amp; Interests</b>	<b>Software:</b> Python (Pandas, numpy), R (Shiny, ggplot), JavaScript (D3, JQuery, Node), HTML5, CSS3, SAS, SQL, Excel / VBA, MATLAB, LaTeX  <b>Interests:</b> Soul Music, Hockey, Filmmaking, Spicy Foods, Design, Law & Politics, Comics	