

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: 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
Work Experience	Analyst , Analysis Group <ul style="list-style-type: none">Conducted quantitative and qualitative analyses to support and aid expert testimony in healthcare, antitrust, and intellectual property litigation using SAS, SQL, Python, R, and ExcelDeveloped propriety software application in R to help non-quantitative users easily visualize and analyze prescription trends seen across millions of drugs and physicians Academic Technology Fellow , Tufts University <ul style="list-style-type: none">Design, develop, maintain, and support 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 Risk Management Intern , K2 Advisors LLC <ul style="list-style-type: none">Constructed multiple risk assessment tools, financial portfolio models, and market simulations for large alpha-driven fund of funds using Python (numpy, Pandas), and Excel / VBA	August 2017 – Present September 2014 – May 2017 June 2016 – August 2016 June 2015 - August 2015 June 2014 - August 2014
Projects & Activities	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 Tufts Streams <ul style="list-style-type: none">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 Tufts Engineering Mentors, President <ul style="list-style-type: none">Managed mentorship program for more than 250 engineering mentors and mentees	December 2014 - March 2017 May 2016 - May 2017 December 2014 - March 2017
Skills & Interests	Software: Python (Pandas, numpy), R (Shiny, ggplot), JavaScript (D3, JQuery, Node), HTML5, CSS3, SAS, SQL, Excel / VBA, MATLAB, LaTeX Interests: Soul Music, Hockey, Filmmaking, Law & Politics, Spicy Foods, Marvel Comics	