

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
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Work Experience	Analyst , Analysis Group • Conducted quantitative and qualitative analyses to support and aid expert testimony in healthcare, antitrust, and intellectual property litigation using SAS, SQL, Python, R, and Excel • Developed 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 • Design, develop, maintain, and support 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 Analyst Intern , Analysis Group • Conducted analyses to support and aid industry experts and counsel for international intellectual property and patent infringement litigation using SAS, SQL, Python, and Excel • Constructed 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 • 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 • 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
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Projects & Activities	ASL-LEX • 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 Streams • 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 • Managed mentorship program for more than 250 engineering mentors and mentees	December 2014 - March 2017 May 2016 - May 2017 December 2014 - March 2017
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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, Spicy Foods, Design, Law & Politics, Marvel Comics	
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