

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	Academic Technology Fellow , Tufts University September 2014 - Present <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, biology, and physics Analyst Intern , Analysis Group June 2016 – August 2016 <ul style="list-style-type: none">Conducted quantitative and qualitative 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 June 2015 - August 2015 <ul style="list-style-type: none">Developed and implemented new generation features for an enterprise software platform while working on a Scrum team using Java, HTML / CSS, and other Agile methodologiesPerformed regression testing, code optimization and other technical debt reduction throughout Pega's development environment Risk Management Intern , K2 Advisors LLC June 2014 - August 2014 <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 / VBAAnalyzed market performance and portfolio strategies for Portfolio Construction and Risk Management departments	
Projects & Activities	Tufts Streams May 2016 - May 2017 <ul style="list-style-type: none">Building natural language processing application to digest and analyze various heterogeneous data streams (Twitter and RSS feeds, web content) for use by Tufts University administrators ASL-LEX December 2014 - March 2017 <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 Engineering Mentors, President May 2014 - January 2017 <ul style="list-style-type: none">Managed mentorship program for more than 250 engineering mentors and mentees	
Skills & Interests	Software: Python (Pandas), HTML5 / CSS3, JavaScript (D3, JQuery, Node), R, SAS, SQL, Excel / VBA, MATLAB, LaTeX Interests: Soul Music, Hockey, Filmmaking, Law & Politics, Spicy Foods, Marvel Comics	