

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: 3.83 / 4.0 Honors: Tau Beta Pi, Dean's List (Fall 2013 to Present) 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	Expected Graduation May 2017
Work Experience	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, biology, and physics	September 2014 - Present
	Analyst Intern , Analysis Group • 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 Excel • Constructed and analyzed large healthcare claims datasets (more than 250-million observations) for use in a proprietary machine learning-based healthcare model	June 2016 – August 2016
	Software Engineering Intern , Pegasystems • Developed and implemented new generation features for an enterprise software platform while working on a Scrum team using Java, HTML / CSS, and other Agile methodologies • Performed regression testing, code optimization and other technical debt reduction throughout Pega's development environment	June 2015 - August 2015
	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 (Pandas), and Excel / VBA • Analyzed market performance and portfolio strategies for Portfolio Construction and Risk Management departments	June 2014 - August 2014
	Tufts Engineering Mentors , President • Manage mentorship program which pairs more than 250 engineering mentors and mentees and hosts multiple speaker / workshop events	May 2014 - Present
Projects & Activities	Tufts Streams • 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	May 2016 - Present
	ASL-Lex • Developed web application and lexical database of over 1,000 American Sign Language signs for research conducted by Tufts and BU graduate students	December 2014 - August 2015
Skills & Interests	Languages: Python, SAS, Excel / VBA, SQL, R, C / C++, HTML5, CSS3, JavaScript Software: Bloomberg, Microsoft Office, MATLAB, Git, Vim Interests: Soul Music, Hockey, Pixar, Law & Politics, Spicy Foods, Marvel Comics	