

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, Dean's List (Fall 2013 to Present) Relevant Courses: Data Mining, Probabilistic Programming, Probability & Statistics, Mathematical Modeling, Algorithms, Linear Algebra, Differential Equations, Discrete Mathematics, Computational Geometry, Data Structures, Financial Management	Expected Graduation May 2017
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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 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 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 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	September 2014 - Present June 2016 – August 2016 June 2015 - August 2015 June 2014 - August 2014
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Projects & Activities	Tufts Financial Group , Quantitative Analyst • Conduct quantitative research and analysis on securities for large student-run alpha fund (\$140,000 AUM) with focus in the fixed income sector Tufts Engineering Mentors , President • Manage mentorship program which pairs more than 250 engineering mentors and mentees and hosts multiple speaker / workshop events 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	January 2015 - Present May 2014 - Present December 2014 - August 2015
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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	
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