Benjamin Tanen

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Education

Tufts University - School of Engineering, Medford, MA   Expected Graduation May 2017
Bachelor of Science in *Computer Science (Engineering)*
Minors in *Mathematics* and *Engineering Management*
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

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Work Experience

Academic Technology Fellow, Tufts University   September 2014 - Present
• 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   June 2016 – August 2016
• 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   June 2015 - August 2015
• 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   June 2014 - August 2014
• 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
• Analyzed market performance and portfolio strategies for Portfolio Construction and Risk Management departments

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Projects & Activities

Tufts Engineering Mentors, President   May 2014 - Present
• Manage mentorship program which pairs more than 250 engineering mentors and mentees and hosts multiple speaker / workshop events

Tufts Streams   May 2016 - Present
• 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 - August 2015
• Developed web application and lexical database of over 1,000 American Sign Language signs for research conducted by Tufts and BU graduate students

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Skills & Interests

Languages: Python, R, SAS, Excel / VBA, SQL, C / C++, HTML5 / CSS3, JavaScript
Software: MATLAB, Bloomberg, LaTeX, Microsoft Office, Git
Interests: Soul Music, Hockey, Filmmaking, Law & Politics, Spicy Foods, Marvel Comics