

# Benjamin Tanen

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**Education**      **Tufts University - School of Engineering**, Medford, MA      September 2013 - May 2017  
Bachelor of Science in *Computer Science (Engineering)*  
Minors in *Mathematics* and *Engineering Management*  
**GPA:** 3.81 / 4.0, *summa cum laude*  
**Honors:** Tau Beta Pi (engineering honors society), Dean's List (all semesters)  
  
**Relevant Courses:** Web Programming & Engineering, Data Mining, Visualization and Analysis, Data Structures, Algorithms, Programming Languages, Mathematical Modeling, Probability and Statistics, Computational Geometry, Linear and Abstract Algebra, Discrete Mathematics

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**Work Experience**

**Analyst**, Analysis Group      August 2017 – Present

- Develop propriety software applications in R to help non-quantitative users easily visualize and analyze prescription trends seen across millions of drugs and physicians
- Conduct quantitative and qualitative analyses to support and aid expert testimony in healthcare, antitrust, and intellectual property litigation using R, Python, SAS, SQL, VBA, and Excel

**Academic Technology Fellow**, Tufts University      September 2014 – May 2017

- Designed, developed, and maintained a variety of research and education-based technology tools to aid and foster teaching and learning at Tufts University using Python, R, and JavaScript
- 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      June 2016 – August 2016

- 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 healthcare model for analyzing and forecasting insurance claims

**Software Engineering Intern**, Pegasystems      June 2015 - August 2015

- 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      June 2014 - August 2014

- Constructed multiple risk assessment tools, financial portfolio models, and market simulations for large alpha-driven hedge fund using Python (numpy, Pandas), and Excel / VBA

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**Projects & Activities**

**ASL-LEX**      December 2014 - March 2017

- 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**      May 2016 - May 2017

- Built natural language processing application in Python to digest, analyze, and visualize heterogeneous data streams (Twitter, RSS feeds, blogs) for use by Tufts administrators

**Tufts Engineering Mentors, President**      December 2014 - March 2017

- Managed mentorship program for more than 250 engineering mentors and mentees

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**Skills & Interests**

**Software:** Python (Pandas, Django), R (Shiny, ggplot), JavaScript (D3, Node), HTML, CSS, SAS, SQL, Stata, Excel / VBA, MATLAB, LaTeX

**Interests:** Soul Music, Hockey, Filmmaking, Spicy Foods, Design, Law & Politics, Marvel Comics