

# Ben Machlin

Computer Science Engineer

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## Personal Details

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## Education

2014–2018 **B.S. Computer Science (Expected)**, *Tufts University*, Medford, MA.  
Music Engineering Minor

## Experience

- Autumn 2017 **Computer Science Department**, *Teaching Assistant*, Tufts University.  
- Present Theory of Computing
- Led students in weekly recitations, worked through examples, fielded questions and explained complex concepts in understandable terms
  - Held office hours and worked one on one with student
- Summer 2017 **Human-Robot Interaction Lab**, *Researcher*, Tufts University.  
- Present
- Worked with a small team in creating and carrying out research in the field of creative thinking in robot planning
  - Developed interface between AI Planning modules and larger robot action codebase
- Summer 2016 **World Wide Opportunities on Organic Farms**, *Farmhand / Aide*, New Zealand.
- Worked on farms and estates accomplishing various day-to-day tasks including animal care, plant care, construction, household chores, meal preparation, etc.
  - Learned horticultural, agricultural, and husbandry practices in a variety of different settings
- Summer 2015 **Synchronoss Technologies**, *AT&T Cloud, Quality Assurance Analyst*.
- Assisted in the development of an Android and iOS smartphone AT&T Cloud application for device backup
  - Tested and analyzed the app in wide range of use cases

## Skills

Languages JavaScript, Java, C, C++, Python, HTML, SQL, CSS, Prolog  
Software Excel, PowerPoint, Photoshop, Android Studio, Processing, , Cytoscape  
Libraries Spotify API, Chartist, networkx, sklearn, pandas, bootstrap  
Relevant Algorithms, Data Mining, Mobile Dev. - Android, Databases, Web Dev., Programming Languages,  
Courses Visualization, Theory of Computing, Complex Networks, Music Engineering, Music Recording

## Interests

- Music Performance and Composition
- Ultimate Frisbee
- Generative Art
- Rock Climbing