

# 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.  
3.36 / 4 GPA, Music Engineering Minor  
2018–2019 **M.S. Computer Science (Expected)**, Tufts University, Medford, MA.

## Experience

Autumn 2017 - Present **Computer Science Department**, Teaching Assistant, Tufts University.  
Computation Theory

- Lead students in weekly recitations, work through examples, field questions and explain complex concepts in understandable terms
- Grad assignments, hold office hours, and work one on one with students

Summer 2017 **Human-Robot Interaction Lab**, Researcher, Tufts University.

- 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. Deployed to millions of users.
- Tested and analyzed the app in wide range of use cases

## Skills

Languages Java, JavaScript, C, C++, Python, HTML, CSS, SQL, Prolog  
Software & Libraries Excel, PowerPoint, Photoshop, Illustrator, LaTeX, Processing, Windows, Linux, git, Android Studio, Spotify API, Chartist, networkx, sklearn, NodeJS, Heroku  
Relevant Courses Algorithms, Data Structures, Visualization, Data Mining, Mobile Dev. - Android, Database Systems, Web Development, Programming Languages, Complex Networks, Computation Theory, Music Engineering, Music Recording

## Interests

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