

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
- Leading students in weekly recitations, working through examples, fielding questions and explaining complex concepts in understandable terms
 - Grading assignments, holding office hours, and working 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
 - 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, LaTeX, Processing, Android Studio, Cytoscape
Libraries Spotify API, Chartist, networkx, sklearn, pandas, bootstrap
Relevant Algorithms, Data Structures, Data Mining, Mobile Dev. - Android, Databases, Web Dev.,
Courses Programming Languages, Visualization, Complex Networks, Music Engineering, Music Recording

Interests

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