Ben Machlin
Computer Science Engineer

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Personal Details

Home	45 Valley View Avenue, Summit, NJ 07901
School	24 Whitman Street, Somerville, MA 02144

Education

2014–2018	**B.S. Computer Science (Expected)**, *Tufts University*, Medford, MA.
	3.36 / 4 GPA, Music Engineering Minor, Study Abroad: AIT Budapest
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
- Grade 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
- Implemented AI planning algorithms, incorporating a Prologue knowledge base and modular capabilities

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, Python, C, C++, HTML, CSS, SQL, Prolog
Software & Libraries	Excel, Photoshop, Illustrator, LaTeX, Processing, Windows, Linux, git, Android Studio, Spotify API, Chartist, networkx, sklearn, NodeJS, Heroku, Ionic
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