

Ben Machlin

Computer Science Engineer

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Education

- 2014–2018 **B.S. Computer Science (Expected)**, Tufts University, Medford, MA.
3.36 / 4 GPA, Dean's List, Music Engineering Minor, Study Abroad: AIT Budapest
- 2018–2019 **M.S. Computer Science (Expected)**, Tufts University, Medford, MA.

Experience

- Winter 2018 - Present **Persimmon Project (Startup Cryptocurrency Investment Fund)**, Technical Consultant.
- Designing, creating and maintaining a cross platform mobile application for investors to track the portfolio, learn about investments, and receive updates
 - Overseeing technological interaction with investors and presenting data in an accurate and easy to digest way
- Autumn 2017 - Present **Computer Science Department**, Teaching Assistant, Tufts University.
- Lead students in weekly recitations, work through examples, field questions and explain complex concepts in understandable terms
 - Grade assignments, hold office hours, discuss teaching methods with the professor and other TAs, 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 and robot action components
- Summer 2015 **Synchronoss Technologies**, AT&T Cloud, Quality Assurance Analyst.
- Assisted in the development and testing of an multi-platform AT&T Cloud application for device backup. Deployed to millions of users

Skills

- Languages Java, JavaScript, Python, Processing, C, C++, HTML, CSS, LaTeX, SQL, Prolog
- Software Excel, Photoshop, Illustrator, Windows, Linux, git, Android Studio, MS Office
- Libraries & Frameworks Ionic, Spotify API, Chartist, networkx, sklearn, NodeJS, Heroku, Jupyter, Chart.js
- Relevant Courses **CS:** Algorithms, Data Structures, Visualization, Data Mining, Mobile Dev. - Android, Database Systems, Web Development, Programming Languages, Complex Networks, Computation Theory
- Other:** Statistics, Probability, Music Recording & Engineering, Computer Tools for Musicians, Science & Engineering of Music, Electronic Music Instrument Design, Galactic Astrophysics

Interests

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