

JOSHUA C. MERMELSTEIN

Tufts University
joshmermel@gmail.com

ACADEMIC EXPERIENCE

TUFTS UNIVERSITY

2011-2015

Major in Computer Science and Mathematics

Dean's List all semesters

3.83 GPA

Completed courses include Data Structures, Discrete Math, Machine Structure & Assembly

Programming, Cryptography, Algorithms, Visualization, Programming Languages, Theory of

Computation, Concurrent Programming, Machine Learning, Compilers, Databases, Abstract Algebra

WORK EXPERIENCE

GOOGLE

July 2015 - Present

Software developer on Play-Search-Infrastructure team. Worked on top charts for Google Play.

AMAZON.COM

Summer 2014

Intern with the Similarities team. Worked on improving the quality of suggestions in the Frequently

Bought Together widget. Designed, ran (in The UK and Japan) and analyzed and A/B test.

TUFTS UNIVERSITY COMPUTER SCIENCE DEPARTMENT

Summer 2013

Research assistant in computational geometry. Conducted literature review in graph coloring and graph algorithms. Collaboratively wrote paper on convex subdivision which has been merged into a larger paper with expected publication in 2015.

TUFTS UNIVERSITY COMPUTER SCIENCE DEPARTMENT

Summer 2012

Research assistant on planar DFA unminimization project. Wrote C++ code to implement a proposed nondeterministic algorithm. Conducted literature review in graph theory and theory of computation working towards a mathematical proof of the complexity of DFA unminimization.

TECHNICAL SKILLS

LANGUAGES

4 years experience in C/C++. Two years experience in Python. One year experience in Java. Less than one year experience with Scheme and ML. Comfortable writing short shell scripts.

LEADERSHIP EXPERIENCE

JUMBO JUGGLERS – Tufts University Juggling Club

Vice President

September 2011-May 2014

President

September 2014-May 2015