Anthony F. Cannistra

Anthony.Cannistra@tufts.edu   (401) 793-0916

School: 74 Bromfield Road, Apt 1, Somerville, MA 02144
Permanent: 10 Glen Ellen Drive, Cumberland, RI 02864

Education

Tufts University
Medford, MA

Major B.A., Computer Science and Biology (expected May 2015)

GPA 3.53 (Dean's List)

Coursework Machine Structure and Assembly Language Programming, Data Structures, Programming Languages, Computational Biology, Human Physiology, Animal Behavior, Algorithms (*in progress*), Genetics (*in progress*)

Activities Tufts Mountain Club, Tufts Admissions Tour Guide, Tufts Computer Science Exchange, Tufts Idea Exchange

Leadership Co-President, Tufts Idea Exchange; Co-Project Lead, TuftsLife; Executive Board Member, Tufts Computer Science Exchange

Honors Admission to the PennApps Hackathon at UPenn, Intuit Sustainability Prize at MIT/Harvard's ID Hack

Moses Brown School
Providence, RI

Graduated May, 2011. GPA 3.67

Honors Admission to Cum Laude Society, Best Varsity Debater Award, Advisor's Award, College Board Advanced Placement Distinguished Scholar

Experience

Tufts University Computational Biology Research Group, *Researcher*, May 2013–Present

- Worked with Professors Benjamin Hescott and Lenore Cowen on protein function prediction.
- Developed and implemented algorithms in Python that built upon Hescott and Cowen's Diffusion State Distance (DSD) metric to incorporate genetic protein-protein interaction data into function prediction.
- Worked with large protein interaction datasets and graph algorithms.
- Currently writing scientific paper describing results for submission to RECOMB 2014.

CollegiateText, *Co-Founder and Developer*, Spring 2013–Present

- Created textbook price comparison web site for students at Tufts University (http://tuftstext.com), Brandeis University, and Bentley University.
- Built an efficient full stack with the help of my co-founder: custom node.js backend, textbook data API, and front-end interface.
- Managed a team of student marketers at Tufts, leading to over 9,000 pageviews in the first two weeks of operation.
- Plans to expand include schedule planning and textbook marketplace features.

Tufts University Department of Computer Science, Fall 2012–Present

Teaching Assistant: Problem Solving by Computer, F2013
Teaching Assistant: Machine Structure and Assembly Language Programming, S2013
Teaching Assistant: Introduction to Computer Science, F2012

- Held office hours and assisted head TAs in the teaching of laboratory classes.
- Graded programming projects and homework.

Skills

Languages	C, C++, Python, Standard ML, Scheme, HTML, CSS, JavaScript
Tools	LaTeX, Git, GitHub, GDB, Node.js, OS X, Windows, Unix/Linux, Adobe Creative Suite

to view recently-completed projects and other ways to connect, visit http://anthonycannistra.com