Jacob William Lipson

Tufts University, Medford, MA • jacoblipson.github.io • Jacob.Lipson@tufts.edu

EDUCATION

Tufts University, Medford, MA
GPA: 3.13
Concentration: Computer Science, B.S.
Minor: Political Science
Relevant Courses: Human-Computer Interaction, Programming Languages, Computation Theory

PROFESSIONAL EXPERIENCE

First Fire LLC, *Software Development Intern,* 2013-2014
- Developed an application in Java generating a hedge fund's financial model using investor criteria and stock data
- Wrote code to compute complex stock metrics necessary for improving the fund's model
- Created a user interface with HTML, Jade, JavaScript & Node.js to allow changes to the model criteria
- Automated model components to generate portfolio buy/sell lists and update MySQL databases

Office of the President of Tufts University, *Aide,* 2013-Present
- Draft speeches and other communications for the university president, including the matriculation address
- Prepare reports on behalf of the president for the Board of Trustees and the Tufts community

Tufts University Office of Residential Life and Learning, *Resident Assistant,* 2012-2013
- Establish & encourage a community conducive to learning and personal development
- Collaborate with administrators including Dean of Students and Tufts Public Safety

Tufts University, *Teacher's Assistant, EXP53: Producing Films for Social Change,* Fall 2012
- Instructed groups during planning, writing, shooting, & editing narrative documentaries
- Led camera tutorials and weekly editing workshops

Fennemore Craig, P.C., *Marketing and Video Production Consultant*, 2012
- Edited video projects for the Practice Development department of a law firm
- Developed social media strategy and website design for the 250-attorney firm

The Border: Arizona, SB1070, and the Immigration Question, Documentary Film,
Producer, Writer, Editor, 2010-2011
- Wrote, produced, and edited a feature-length documentary about the definition of an American citizen, illegal immigration's effects and roles in the economy, the enforcement of laws connected to the issue, and Arizona's famous Senate Bill 1070
- Showcase Feature, 2011 Phoenix International Film Festival
- 2nd Place Award, C-SPAN 2011 Student Documentary Competition
- Best Documentary Nominee, 2011 Student Television Network Film Festival

NOTABLE PROJECTS

Universifly (2012) – Designed a web app for students to rideshare to the airport with Node.js & Heroku
Universal Machine (2013) – Built a universal machine in C to virtualize and operate on memory
Frogger (2012) – Recreated the original arcade game using Javascript Canvas

ADDITIONAL LEADERSHIP & ACTIVITIES

Search Committee for the Dean of Student Affairs, Tufts University, *Member*, 2013-2014
Theta Chi Fraternity, Tufts University, *President, Social & Scholarship Chairs, Standards Board,* 2012-Present
Tufts Television, Tufts University, *Founder, Treasurer, News Producer* 2011-Present
Common Law, Tufts' Undergraduate Law Journal, *Editor*, 2011-2012
Boy Scouts of America, Grand Canyon Council, *Eagle Scout with Three Palms,* 2008