

Alex Gerstein

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EDUCATION

Dartmouth College - Hanover, New Hampshire **Anticipated June 2015**
Bachelor of Arts: Major in Computer Science, Minor in Film & Media Studies
Citation for Academic Excellence: Computer Science 50

Horace Greeley High School - Chappaqua, New York **June 2011**
Cum Laude Society, National Merit Finalist, AP Scholar with Distinction

LANGUAGES

<i>Proficient</i>	<i>Experienced</i>	<i>Familiar</i>
Python	C	Backbone.js
Java	Javascript	Flask
AngularJS	HTML/CSS	Ruby on Rails

PROJECTS

DARTplan Course planner webapp for Dartmouth students—built using Python microframework, Flask. Although project primarily served as motivation to learn Javascript and RESTful APIs, over 1,400 Dartmouth students have registered for the site.	SVN Comet Multiplayer physics game developed in C over 3 weeks on 4-person team for "COSC 50 - Software Design and Implementation." Received special recognition from professor for managing team and acting as "an outstanding leader."	mapd iOS photomapping app for Dartmouth students to share events around campus. Created as a 4-person, 10-week project in "COSC 69 - Topics in Computer Systems." Focused primarily on front-end work using Objective-C in Xcode.
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WORK EXPERIENCE

The Dartmouth, Inc. - Hanover, NH **Fall 2013 – Present**
Technology Director

- Doubled homepage click-through rate through experimenting with responsive design features and other Javascript enhancements
- Built special issue landing page and site for parents to upload commemorative ads for graduating students, accounting for \$8,000 to highest-grossing issue in five years
- Established collaborative workflow, using Git and MAMP, to simplify staff contributions to PHP site and introduce real-world web development practices

KAYAK - Concord, MA **Summer 2014**
Software Engineering Intern

- Streamlined account manager workflow with AngularJS redesign of ad management console, including designing and implementing bookmark tool for placements, change tracker for forms and other usability improvements

ZenPayroll - San Francisco, CA **Winter 2014**
Software Engineering Intern

- Eliminated monthly, three-day billing process by building full Rails/Backbone.js site for accountants in referral program to track referred companies and automate direct billing
- Improved fraud detection, expanded support for auto-payroll, and tweaked user experience by squashing various bugs and adding other minor features using test-driven development

LEADERSHIP EXPERIENCE

Zeta Psi Fraternity **Spring 2013 - Present**
Vice President

- Coordinate housing assignments and conduct weekly executive meetings

Dartmouth College, Department of Computer Science **Winter 2013**
Recitation Leader

- Led recitation sections and lab hours to teach basic algorithms and data structures to students enrolled in "COSC 1 - Introduction to Programming and Computatio"