KATHRYN SIEGEL

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EDUCATION

Class of 2016

Massachusetts Institute of Technology   Cambridge, MA

GPA: 5.0   Intended major: Computer Science and Engineering (Course 6-3)

Selected coursework: Algorithms I, Algorithms II, Advanced Data Structures, Elements of Software Construction, Software Studio, Computation Structures, Statistics, Machine Learning, Systems
Current coursework: Performance Engineering, Computer Networks

SKILLS

Languages: Python, Javascript, Java, Objective C, C, Ruby, HTML, CSS
Experience with: Flask, iOS/cocos2D/Core Data, Rails, Node.js, Hadoop, Git, various APIs

EXPERIENCE

Dropbox   San Francisco, CA
Intern, Mailbox Team   June 2014 – August 2014
Prototyped and implemented features in Mailbox iOS app.
Hack Week "#SHIPIT" award winning team for Drops, write-only shared folders for content collection.

Trust Center for MIT Entrepreneurship   Cambridge, MA
Full-stack freelance web developer   September 2013 – May 2014

Square   San Francisco, CA
Intern, Information Security team   June 2013 – August 2013
Developed an internal tool that displays security data from Hadoop.
Contributed to open-sourced internationalization software project Shuttle.

SELECTED PROJECTS

nunchuck.js – Open-sourced library for real-time hardware data synchronization between mobile and desktop browsers. Demos include 2-player Mario Kart and n-player plane battle game with a mobile web controller interface. 2nd place winner at YCHacks.

Kobal – Chrome extension allowing publicly sharing comments on text on the web and tipping with Bitcoin. Winner of A16Z's Battle of the Hacks.

EDUvote – Turning Point Clicker replacement software; facilitates real-time student feedback to class questions using text messaging (Twilio API); implements student analytics, lesson plans, and a gradebook module – won "first place" in 6.170 end-of-term competition.

VenMoMoney – Venmo app for Pebble. Won Venmo API prize at PennApps Spring '14.

Instant messaging client/server – Focused on concurrency and global consistency. Won "best overall" in 6.005 end-of-term competition.

TEACHING

6.170: Software Studio   Fall 2014
Advanced software lab, taught using Node.js

6.670: iOS Game Design and Development   January 2013

LEADERSHIP

HackMIT   2012 – present
Director
HackMIT is MIT's largest hackathon (>1000 attendees, >60 sponsors)

Rough Draft Ventures   2013 – present
Partner
Evaluating and funding student ventures in the Boston/Cambridge area.