

Matthew Dierker

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Education

B.S. Computer Science, *University of Illinois Urbana-Champaign*. **Aug 2011 - May 2015**
Honors: Engineering Dean's List in Spring 2012, Spring 2013, and Fall 2013, James Scholar
GPA: 3.63/4.00, **CS GPA:** 3.83/4.00

Experience

Dropbox, *Software Engineering Intern*, San Francisco, CA. **May 2014 - Aug 2014**

- Integrated calendar invitations into Mailbox, allowing RSVP responses without leaving the app.
- Analyzed the best implementation for the calendar system, researching relevant APIs and RFCs that would create a practical integration. Included extensive testing among existing providers.
- Worked full-stack across Mailbox systems, from the iOS app in Objective-C/C++11 to several backend systems in Node.js/CoffeeScript. Required quickly picking up different environments.

Google, *Software Engineering Intern*, Mountain View, CA. **May 2013 - Aug 2013**

- Worked on the Google Voice team developing telephony routing infrastructure for apps.
- Rewrote Speak2Tweet, an initiative enabling free speech in countries with restricted Internet.
- Created an open source system as an extra project to power Google Intern Assassins, after which Larry Page and Sergey Brin presented the game to the entire company at a weekly meeting.
- Selected for an intern feature on the Google Students Blog.

Facebook, *Software Engineering Intern*, Menlo Park, CA. **May 2012 - Aug 2012**

- Worked on the Platform Growth team with engineers and product managers throughout the company on a sales API for platform applications.
- Participated in all hackathons, both intern only and company wide. Chosen twice to present my submission directly to Mark Zuckerberg and Mike Schroepfer.
- Launched Weddings & Celebrations, a project outside my team which is live on the Facebook homepage. Application was featured on MSNBC, TechCrunch, and PC Magazine.
- Interviewed by Wired Magazine for their feature on hackathons.

Wolfram Research Inc., *Web R&D Engineering Intern*, Champaign, IL. **Oct 2011 - May 2012**

- Programmed in PHP and Perl on tools both internal and external at company world headquarters.
- Redesigned/upgraded the Wolfram Blog and created custom WordPress plugins currently in use. Gained experience in programming enterprise grade software for thousands of users.
- Worked 10-15 hours a week as an intern while still a full time student at the University of Illinois.

Campus Involvement

HackIllinois 🚩 *Founder & 2013-2014 Director* **Oct 2013 - Present**

- Began a group to create the first 36 hour student-run hackathon ever held at Illinois.
- Led 50 staff to raise \$175,000 for HackIllinois, managing relationships with 60+ sponsors.
- Managed teams across Operations, Corporate, and Systems to coordinate all logistics for 750+ attending hackers from 25 universities, 150 corporate representatives, and 200 volunteers.

Association for Computing Machinery, Vice Chair & Co-Social Chairman.

Aug 2011 - Present

- Participate as a leader in UIUC's ACM chapter, the largest ACM Student Chapter in the nation.
- Attend weekly ACM Executive Board meetings to help shape ACM as a whole.
- Plan events to increase social interaction among ACM members, as well as events to foster the spirit of computer science at Illinois.

Party Rock Illinois, Founder & 2011-2013 President.

Nov 2011 - May 2013

- Formed a group that began as three people planning to sync 1,600 ft. of Christmas lights to music. The project has grown to include more than 30 CS/ECE majors and has added 1,000 RGB LEDs in LED panels and 15 motorized lasers.
- Wrote an open source Java GUI interface from scratch to record, playback, and perform light shows in realtime. The software has more than 10,000 lines of code and does everything from light animations to implementing a custom self-healing serial protocol for LED Panels.
- Acted as head coordinator for every aspect of a large scale light show.
- Showcased the project for 2 years to thousands of attendees at UIUC's Engineering Open House.

CS@Illinois Student Ambassador, University of Illinois.

Feb 2012 - Present

- Assist in recruiting potential and admitted students to the UIUC computer science program.
- Attend information sessions, admitted student Q&A's, and student lunches to generate interest in the Illinois Computer Science department.

Campus Employment

Google Student Ambassador, University of Illinois.

Aug 2013 - May 2014

- Focused on increasing Google's campus presence by being a point of contact for everything Google at UIUC other than recruiting.
- Planned and executed a Google Scavenger Hunt attended by 250 freshmen, including more than 50% of their CS class.
- Led Google-sponsored events throughout the school year, and helped run events as Google recruiters came to campus.

CS 225 Course Staff, University of Illinois.

Aug 2013 - Dec 2013

- Teaching Assistant for a data structures class of 500 computer science students.
- Taught a weekly lab section and held office hours to help with the programming homework.

Programming Languages

Proficient with

- Java (6 years)
- Javascript/Node.js (+CoffeeScript & AngularJS)
- Python
- HTML & CSS
- PHP & MySQL

Comfortable or Familiar with

- C & C++11
- Go
- Objective-C
- Matlab
- Mathematica