Alec Mori

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Education

Aug 2012 - May 2016 **University of Illinois** | B.S. Computer Science — Urbana, IL
- Minor in Mathematics

Work

Aug 2016 - Present **Yelp** | Data Engineer — San Francisco, CA
- Something Will Go Here
- Something Will Go Here
- Something Will Go Here

Aug 2013 - May 2016 **University of Illinois** | Tutor — Urbana, IL
- Tutored a variety of subjects within Mathematics and Computer Science
- Led dozens of review sessions for Mathematics, each with over 50 attendees

Aug 2013 - May 2016 **University of Illinois** | Engineering Learning Assistant — Urbana, IL
- Designed over a dozen lesson plans for the introductory engineering course
- Mentored over 30 students (and continue to mentor some)

Jun 2015 - Aug 2015 **University of Illinois** | Course Design — Urbana, IL
- Designed an introductory course for data visualization using D3 and Python
- Worked with several popular API's including Wikipedia and Spotify
- Assisted teaching the class during some of the early stages

Research

Jan 2015 - May 2015 **University of Illinois** | Research Assistant (USB) — Urbana, IL
- Tested security on the University of Illinois campus by dropping pseudo-malicious flash drives
- Wrote Android application to monitor progress as we dropped flash drives
- Worked with Google App Engine (Python) alongside Android (Java)
- Paper ``Users Really Do Plug in USB Drives They Find'' can be found **here**

Jun 2013 - Aug 2013 **University of Illinois** | Research Assistant (Taxi) — Urbana, IL
- Used 4TB of New York City taxi data to simulate the effects of a SmartTaxi system
- Implemented KD-trees, ArcFlags, and Contraction Hierarchy to improve runtime
- Improved MIT algorithm to estimate speed on NYC streets over various times of day

Languages

Preferred	Proficient	Familiar
• Python	• Java	• C
• Haskell	• JavaScript (D3)	• C++
		• MATLAB

Projects

Dec 2014 - Present **Spotify** | Playlist Connection — Urbana, IL
- Building a web application that creates a Spotify playlist based off multiple user's interests
- Designed an algorithm which artists a user would be interested in given listening history

Jan 2016 - May 2016 **University of Illinois** | Senior Thesis — Urbana, IL
- Visualized the class organizational structure at the University of Illinois (found **here**)
- Used D3 for the visualization, Python for data processing
- Designed webpage to best utilize computation given type of device and location on page