Alec Mori

alecmori@gmail.com · alecmori.com · 815-484-3279 · Github: alecmori

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| Edu | cation |
| | Cution |

University of Illinois | B.S. Computer Science Urbana, IL Aug 2012 - May 2016 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 **University of Illinois** | Tutor Urbana, IL Aug 2013 - May 2016 • Tutored a variety of subjects within Mathematics and Computer Science • Led dozens of review sessions for Mathematics, each with over 50 attendees **University of Illinois** | Engineering Learning Assistant Urbana, IL Aug 2013 - May 2016 Designed over a dozen lesson plans for the introductory engineering course • Mentored over 30 students (and continue to mentor some) **University of Illinois** | Course Design Urbana, IL Jun 2015 - Aug 2015 • 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 **University of Illinois** | Research Assistant (USB) Jan 2015 - May 2015 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 **University of Illinois** | Research Assistant (Taxi) Urbana, IL Jun 2013 - Aug 2013 • Used 4TB of New York City taxi data to simulate the effects of a Smart Taxi 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 • C Python • C++ Haskell • JavaScript (D3) MATLAB Dec 2014 - Present **Spotify** | Playlist Connection Urbana, IL

Projects

- 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