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## Education

### University of Chicago

*B.S., Computer Science (GPA: 3.59)*

*June 2013*

- Dean's List
- Extensive mathematics coursework
- Relevant courses: Introduction to Databases, Networks and Distributed Systems, Analysis in  $R^n$ , Mathematical Logic
- Less relevant courses: Ancient Philosophy, Strategy

## Experience

### Box

*Senior Software Engineer - Services Team*

*September 2014 - Ongoing*

- Revamped our core Scala service framework libraries
  - \* Refactored monolithic service framework to à la carte components
  - \* Added testing to vast swathes of untested core framework code
- Configured and deployed Kubernetes cluster management framework
- Reworked our monitoring pipeline
  - \* Built fault-tolerant distributed framework to run periodic checks against OpenTSDB-based metrics
  - \* Customized service framework for, and deployed, a new Scala-based log tailer

### Box

*Software Engineer - Release and Deployment Team*

*July 2013 - September 2014*

- Coordinated and ran daily releases
- Added High Availability characteristics to existing legacy configuration deployment systems
- Revamped our core Scala configuration libraries
  - \* New library supporting hot-reloading built on RxJava
  - \* Supports easily changing config source (file, zookeeper, etc.), and format

### U. of Chicago Computer Science Instructional Lab.

*Tutor*

*April 2011 - June 2013*

- Maintained backup system, built scheduling website

## Projects

### Anime Ratings Site

*Haskell*

*Current*

- Early stages; design complete and first component partially implemented
- Plan: Allow ratings on multiple axes (e.g. Art, Action, Storyline, etc.), and provide links to existing reviewing and streaming sites

### Recommendation Engine

*Python, Numpy, Bash, Ruby, Scala*

*August 2012 - August 2014*

- Scraped ratings data (latest implementation uses selenium)
- Implemented a basic SVD/KNN recommendation algorithm

## Languages

- Primary: Scala, Puppet
- Secondary: Haskell, Go, Java, Bash, C, Node.js, Ruby, Python, PHP
- Messed Around With: Clojure, Android, Rails, Javascript (client-side), L<sup>A</sup>T<sub>E</sub>X, Matlab, R