

Haney Maxwell

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Education

University of Chicago

B.S., Computer Science (GPA: 3.61)

expected June 2013

- Dean's List
- Extensive mathematics coursework
- Relevant courses: Introduction to Databases, Introduction to AI, Analysis in R^n , Algebra
- Irrelevant courses: Ancient Philosophy, Strategy

Experience

U. of Chicago Computer Science Instructional Lab.

Tutor

April 2011 - Now

- Helped lab users
- Maintained backup system
- Developed scheduling website

University of Chicago Math. Dept.

VIGRE Course Assistant

Sept. 2010 - June 2011

- Tutored students in calculus
- Graded problem sets

University of Chicago Math. Dept.

VIGRE REU Participant

June 2010 - Sept. 2010

- Researched persistent homology and finite topological spaces
- Assisted in teaching elementary java and adolescent psychology to Chicago public school teachers

Projects

Recommendation Engine

Python, Numpy, Bash, Ruby

August 2012 - Now

- Scraped ratings data
- Implemented a basic SVD recommendation algorithm with KNN postprocessing
- *In Progress*: Implementing Item-Item KNN and experimenting with different normalizations

Shift Scheduling Website

Rails, Ruby, jQuery, Javascript

June 2012 - Now

- Employees enter their availabilities, which are collected and summarized
- *In Progress*: Implementing an algorithm to automatically generate a schedule from the availabilities

Languages

One Year+: C, Python, Bash, L^AT_EX

Major Project+: Haskell, Ruby, Rails, Javascript, Java

Messed around in: Matlab, R, SPSS, Clojure