

# 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

### Anime 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<sup>A</sup>T<sub>E</sub>X

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

**Messed around in:** Matlab, R, SPSS, Clojure