

# Rachel Hwang

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## Programming Experience

### **Research Assistant**

*Chicago Language Modeling Lab (Fall 2011 – Summer 2013)*

- Wrote scripts to streamline data acquisition
- Maintained database and annotation website
- Annotated speech clips in Praat for analysis
- Coded experiment setups

### **Student Programmer & Programming Instructor**

*Computation Institute (Summer 2013)*

- Developed software tools for analyzing energy usage data plotting Chicago movement data
- Instructed student interns in Python

### **Programming and Robotics Teacher**

*PyBot, Neighborhood Schools Program (Winter 2012 – Spring 2013)*

- Taught middle school students basics of Python and Arduino
- Designed lesson plans and exercises

## Education

### **University of Chicago**

*Computer Science and Linguistics double major – Class of 2014*

- Merit Scholarship
- Dean's List 2010-2013

### **Lowell High School**

*Class of 2010*

- National Merit Scholarship commended student
- National AP Scholar

## Other Experience

### **Game Mentor**

*Game Changer Chicago (Summer 2013)*

- Mentored high school players in an educational alternate reality game

### **Design Editor**

*The Chicago Maroon (Winter 2010 – Spring 2011)*

- Designed page layout for Sports section weekly

### **Creative Writing Tutor**

*Southside Scribblers (Winter 2010 – Spring 2011)*

- Taught middle school students the fundamentals of fiction writing
- Designed lesson plans and exercises

### **Management Intern**

*Genentech (Summer 2010)*

- Optimized documentation procedures in the Purification Plant

## Skills & Tools

**Programming** – C, Python, PHP, HTML, MySQL

**Software** – Git, LaTeX, PsychoPy, Praat

**Design** – Photoshop, Indesign, knowledge of layout principles

**Languages** – Mandarin (intermediate), Spanish (intermediate)