

# caseycolby

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## education

**Northwestern University**, Weinberg College of Arts and Sciences, Evanston, IL  
Bachelor of Arts, *cum laude*, Economics and Linguistics, GPA: 3.74

June 2015

### Coursework

- Money and Banking
- International Trade
- Economics of State and Local Government
- Labor Economics
- Economics of Developing Countries
- International Finance
- Intro to Applied Econometrics
- Intro to Computational Linguistics
- Fundamentals of Computer Programming I and II (C++, Racket)

## professional experience

**Child Language Development Lab**, Northwestern University, Evanston IL

July 2015–Present

### Lab Manager

- Built interactive iOS apps to conduct child experiments on an iPad and write subject info and data collected to a mobile database
- Performed data analysis and visualization using analytical tools
- Abstracted complex analyses from 300 line scripts into one-line R functions compatible with any set of data/hypotheses
- Core member of the foundational team. Determined procedures for training RAs, scheduling/recruiting families, maintaining lab infrastructure, and running child and adult participants, and documented these in detailed electronic manuals
- Trained and oversaw all lab members on lab procedures such as running experiments and interacting with subjects with the intent to foster an educational experience and a sense of ownership/investment in the lab's progress towards its goals
- Ran child and adult participants in 15 studies investigating the language of events and quantification and analyzed preliminary data

**Meaning and Syntax Lab**, Northwestern University, Evanston IL

June 2014–June 2015

### Research Assistant

- Ran 75 participants in an eye-tracking study investigating the cues used to parse a sentence with ellipsis of conjuncts
- Prepared eye-tracking data for analysis (from the above and related experiments). Using the post-processing program EyeDoctor's graphical fixation display: (1) removed blinks/unlikely fixations (2) adjusted vertical misplacements of fixations in each trial

**The Sound Lab**, Northwestern University, Evanston IL

Jan 2014–June 2015

### Research Assistant

- Collected and organized participant data in several phonological studies of bilingualism, psycholinguistics, and speech errors.
- Participated in weekly discussion groups to study the literature on models of lexical and phonological activation and processes

## leadership & affiliations

**Chi Omega Fraternity** Xi Chapter, Northwestern University

Feb 2014–April 2015

### Vice President

- Oversaw chapter academics; developed programming such as Alumnae-led workshops and new member study mentors to support scholastic endeavors and recognize academic achievements
- Created and implemented comprehensive scholarship plans to drastically improve GPAs of members below requirements

**Boys Hope Girls Hope**, Evanston IL

April 2012–June 2015

### Math Tutor

- An international residential scholars program; provides scholarships, tutors, and financial/emotional support for at-risk children
- Worked weekly with 7 different high school scholars over the course of 4 years in varying levels of math
- Taught general study skills, test-taking strategies, and built confidence and positivity around math

**Northwestern Community Development Corps**, Northwestern University, Evanston IL

May 2014–June 2015

### Site Leader: Boys Hope Girls Hope

- Recruited Northwestern tutors year-round at volunteer fairs and by word-of-mouth
- Matched Northwestern tutors to scholars living in Evanston homes and created weekly tutoring schedules at each house

**Northwestern University Community Jazz Program**

Jan 2014–Feb 2015

Drummer in 8-person jazz combo; built repertoire over weekly hour-long practices, culminating in two annual performances

## skills & interests

**languages:** French, ASL, Beginning German

**computer:** R, Stata, Swift, Xcode, C++, Realm, Racket, LaTeX, Microsoft Office

**interests:** Latin/Jazz Piano & Drums, Web & Mobile Development, Basic Electronics/DIY

**organization tools:** Evernote, Box, Slack, Asana