

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)

Northwestern University, Full-stack Coding Bootcamp, Evanston, IL

January 2017–anticipated July 2017

professional experience

Child Language Development Lab, Northwestern University, Evanston IL

June 2016–Present

Lab Manager & Software Developer

- Built interactive iOS apps to conduct child experiments on an iPad and persist/pre-process data
- Performed data analysis and visualization using analytical tools
- Abstracted complex R analyses into reusable one-line package functions compatible across datasets and parameters

Lab Manager

July 2015–June 2016

- Member of the founding team; developed detailed procedures for research assistants, running subjects, and lab infrastructure.
- 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
- Ran child and adult participants in 22 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 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 in varying levels of math over the course of 4 years

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

languages: French, ASL, Beginning German

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

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

organization tools: Evernote, Box, Slack, Asana