

Ryan Hildebrandt

ryancahildebrandt@gmail.com

RESEARCH INTERESTS

- Speech & natural language processing
- Speech intelligibility (EN & JP)
- L2 & novel language phonology
- Bilingualism
- Language acquisition & learning
- Emotional word characteristics

EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY | January 2018 - December 2019

MS Experimental Psychology

GPA 3.67/4.00

- Coursework in Psychology, Statistics, and Linguistics departments
- Research assistantships for the Psychology and Engineering Technology departments
- Degree focus in psycholinguistics
- Masters thesis on emotional word processing

COLGATE UNIVERSITY | August 2013 - May 2017

BA Psychology & Japanese

GPA 3.47/4.00

- Double major in Japanese and Psychology with a cognitive linguistics focus
- Undergraduate theses examining integration of visual cues into novel phoneme reproduction
- Awarded a competitive research grant for translation and synthesis of scientific literature in English and Japanese
- Selected for the Benton Scholar Program, focusing on global leadership, entrepreneurship, and community leadership at Colgate

KYOTO JAPANESE LANGUAGE SCHOOL | August 2014 - December 2014

Semester-long Japanese Language Study

- Studied language, culture, literature, film, and theater
- Expanded cultural understanding and competence through internships
- Conservation volunteer work in the Bonin Islands

SUPPLEMENTAL COURSEWORK | August 2013 - Present

Coursera - edX - Udemy - DataCamp

- The Brain and Space, Learning How to Learn, The Bilingual Brain
- R & Python programming courses
- Customer Experiences with Contact Center AI - Dialogflow ES & CX Specializations

RESEARCH EXPERIENCE

ROCHESTER INSTITUTE OF TECHNOLOGY

EMOTION WORD PROCESSING IN A SATIATION PARADIGM | Graduate Thesis

- Study investigating how emotion word type and valence impact word processing via semantic satiation.
- R : Stimulus selection, data analysis & visualization
- Qualtrics/SuperLab : Data collection & experiment coding
- Presented at Psychonomic Society 2019 Meeting, Montreal

DETECTION & PERCEPTION OF EMOTIONAL FACES | Graduate Research Assistantship

- Research examining the categorization, detection, and rating of emotional faces as compared to other images.
- R : Stimulus selection
- Python/PsychoPy : Experiment coding

CONTENT RETENTION & NOTE TAKING STYLE | Graduate Research Assistantship

- Study looking at how note taking mode (laptop or hand-written) impacts retention of different kinds of information in an educational setting.
- Presented at APS 2019, Washington DC

SPEECH INTELLIGIBILITY TESTING FOR NOVEL NOISE REDUCTION ALGORITHM | Graduate Researcher Position

- Project assessing noise reduction algorithms for use in microphones used by first responders.
- Praat/R : Stimulus preparation, data coding
- MTurk : Experimental coding, data collection

COLGATE UNIVERSITY

INTEGRATION OF VISUAL CUES WHEN REPRODUCING NOVEL L2 PHONEMES | Undergraduate Thesis

- Assessing how visual cues impact how accurately English speakers reproduce Japanese long vowels and geminate consonants.

TRANSLATION & SYNTHESIS OF ENGLISH & JAPANESE RESEARCH ON THE MCGURK EFFECT | Independent Research Grant

- Translating and synthesizing English and Japanese scientific literature for use in my thesis study through a student research grant awarded by Colgate University.

STATISTICS & CODING EXPERIENCE

In addition to the above research examples

- Well-versed in R, Python, SPSS, Jamovi, JASP, and Excel for data manipulation and analysis
- Some data analysis experience in Julia, MatLab, Microsoft VBA, Google AppsScript, and SAS
- Enrolled in 4 intermediate and advanced statistics courses at Rochester Institute of Technology, as well as 3 statistics-related courses at Colgate University

PUBLICATIONS & PRESENTATIONS

- 2019 Hildebrandt, R., Sutton, T. M. (2019, November). Investigating Emotion-label and Emotion-laden Words in a Semantic Satiation Paradigm. Poster presented at the Psychonomic Society 2019 Annual Meeting, Montreal, Quebec, Canada.
- 2019 Crumb, R., Hildebrandt, R. & Sutton, T. M. (2019). Note-taking Mode as a Source of Context Reinstatement. Manuscript in Preparation.
- 2019 Sutton, T. M., Crumb, R., & Hildebrandt, R. (2019, May). State-Dependent Learning and Note Taking Strategies. Poster presented at the APS Annual Convention. Washington, DC, USA.

LINKS

Github: github.com/ryancahildebrandt

LinkedIn: [linkedin.com/in/rcah](https://www.linkedin.com/in/rcah)

ResearchGate: [researchgate.net/profile/Ryan_Hildebrandt](https://www.researchgate.net/profile/Ryan_Hildebrandt)