

# KALINA KOSTYSZYN

## PRESENT ADDRESS

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## E-MAIL ADDRESS

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## EDUCATION

### Stony Brook University

Ph.D. in Linguistics  
Advisor: Jeff Heinz  
Estimated graduation June 2023

### Bryn Mawr College

BA in Computer Science and Linguistics  
Advisors: Deepak Kumar and Jane Chandlee  
June 2017

## SELECTED PUBLICATIONS

## RESEARCH

Kostyszyn, Kalina and Jeffrey Heinz (2021). "Categorical models of gradient acceptability of word-initial Polish onsets." Proceedings of the 2021 Annual Meeting of Phonology (to appear).

Graf, Thomas and Kostyszyn, Kalina (2021). "Multiple Wh-Movement is not Special: The Subregular Complexity of Persistent Features in Minimalist Grammars," Proceedings of the Society for Computation in Linguistics: Vol. 4 , Article 26.

## RESEARCH

### 2021 - ongoing:

Modeling principles for distribution of Arabic irregular plural patterns, focusing on Modern Standard Arabic but with plans to expand to other resourced Arabic dialects.  
Surveying a corpus of Polish to determine morpho-phonological environment for a vowel-zero alternation, with the intent of training language learning models to compare learnability with a future experiment with native speakers.

### 2019 - ongoing:

Examining categorical vs. gradient models of phonotactics, using Polish word-initial consonant clusters.  
Research assistant (Psychology) in Arthur Samuel's lab: language perception studies, building and scheduling experiments. Identifying subregular learning patterns in neural networks.

### 2019, spring

Research assistant (Linguistics) under Thomas Graf: studying patterns of persistent features in syntax trees.

### 2017, summer - 2018, summer

Visiting scholar(Linguistics) in Irene Vogel's Prosodic Typology lab.

## TEACHING EXPERIENCE

### **Stony Brook University**

#### **Primary Instructor for:**

LIN120 Language and Technology (online - summer, fall 2020)

#### **Teaching Assistant for:**

LIN200: Language in the USA (online - spring 2021)

LIN301: Phonology (fall 2019)

LIN120: Language and Technology (fall 2018/2021, spring 2019)

### **Microsoft TEALS**

#### **Volunteer Teacher**

Fall 2021

### **Summer Youth Camp for Computational Linguistics (2020-2021)**

#### **Instructor**

Created introductory Python modules using linguistic data.

Introduced finite-state methods for linguistic purposes.

Supervised student projects.

### **Bryn Mawr College**

#### **Peer Tutor (Spring 2014-Spring 2017)**

Tutored basic data structures in a Java-like environment.

#### **Teaching Assistant (Fall 2014-Fall 2016)**

CS110: Introduction to Computer Science

Elaborated on concepts from class during self-run office hours.

At times assisted with grading homeworks.

## OTHER SKILLS

Proficient in programming with Python and Java.

Proficient with Jupyter Notebooks for coding and educational purposes.

Familiar with programming in C, C++.

Familiar with web development using HTML and CSS.

Familiar with statistics in R.

Proficient with L<sup>A</sup>T<sub>E</sub>X for text editing.

Experience with the Natural Language Toolkit.

Familiar with Git command-line actions.

Familiar with Gorilla.sc and Amazon Mechanical Turk for running psychology experiments.

Heritage speaker of Polish.

## LEADERSHIP

Colloquium Organizer - Spring 2019

Department Student Representative - Fall 2019-Spring 2020

Graduate Linguistics Society Treasurer - Fall 2019-present

Brown Bag Organizer - Fall 2020

Institute for Advanced Computer Science Student Organization Media Manager - Fall 2019-Spring 2020

## EXTRACURRICULAR ACTIVITIES AND VOLUNTEER WORK

**2020-present** Stony Brook Linguistics JEDI (Justice, Equity, Diversity, and Inclusion)

**2014-2015** Bryn Mawr Customs Person