

# Christian J. Muxica

Linguist, Programmer, & Residential Assistant

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I am a fourth year undergraduate student at the University of Massachusetts Amherst pursuing a joint major in Linguistics & Computer Science with honors. I possess a diverse interdisciplinary toolkit complemented by a research and team oriented mindset. I enjoy the balance of analytic and creative skills required for experimental design, programming, and the manipulation of large bodies of data.

## EDUCATION

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*Sturgis Charter Public High School*                      *Hyannis, MA*                      *August 2012 - June 2016*  
Higher Level Subjects: English Literature, Latin, and Music

*Crete Summer School in Linguistics*                      *Rethymno, Greece*                      *July 13th - July 26th 2019*  
Attended courses in Syntax, Neurolinguistics, Heritage Linguistics, and Language Acquisition

*University of Massachusetts Amherst*                      *Amherst, MA*                      *September 2016 - Present*  
Pursuing B.A. in Linguistics & Computer Science  
Member of Commonwealth Honors College

## PROFESSIONAL EXPERIENCE

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*Dishwasher, Hampshire Dining Commons*                      *Amherst, MA*                      *February 2017 - May 2017*

- Provided a consistent work effort to ensure proper sanitation of the dining hall

*Lifeguard & Waiter, Seacoast Shores Association*                      *Falmouth, MA*                      *May 2017 - September 2017*

- Enforced pool rules to ensure the safety of swimmers, particularly young children
- Anticipated and acted upon the needs of customers in a patient and prompt manner

*Researcher, Summer Dialect Research Project*                      *Amherst, MA*                      *July 2018 - August 2018*

- Engaged with linguistics, psychology, and sociology literature of dialect study
- Designed and presented a psycholinguistic experiment on African American English

*Residential Assistant, UMass Residential Life*                      *Amherst, MA*                      *August 2018 - Present*

- Lead community development and student learning initiatives
- Respond to incidents to provide support and referrals to residents in need

*Porter, Peterson Antiques*                      *Falmouth, MA*                      *June 2019 - August 2019*

- Quickly and carefully transport valuable antiques to and from events
- Assist in the presentation and organization of antiques on showroom floor

*Lab Manager, UMass Xling Laboratories*                      *Amherst, MA*                      *September 2019 - Present*

- Train research assistants in laboratory software and experimental methodologies
- Facilitate communication between student participants, professors, and researchers
- Manage experimental participation software SONA and maintain laboratory websites

## CAMPUS INVOLVEMENT

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*Research Assistant in the Cognitive Science of Language Lab*                      *January 2017 - Present*

- Design experimental stimulus and code results
- Run participants through eye tracking experiments
- Present experimental designs for critique at lab meetings

*Member of the UMass Outing Club*

## **AWARDS & SCHOLARSHIPS**

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International Baccalaureate Diploma  
Commonwealth Talent Award  
Dean's List Honors

June 2016  
May 2017 - Present  
January 2017 - Present

## **SKILLS**

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Programming experience in Java, Python, Javascript, and R  
Implementation of psycholinguistic experiments within Ibx Farm and PsychoPy software  
Running participants through eyetracking and other psycholinguistics experiments  
Various NLP techniques such as part-of-speech tagging, sentiment analysis, and web scraping  
Statistics and probability  
Intermediate competence with Spanish and Classical Latin  
Theoretical linguistic analysis within a generative framework, particularly with regard to syntax

## **RELEVANT COURSEWORK**

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### *Computer Science & Computational Linguistics*

- CS 121 Introduction to Problem Solving with Computers
- CS 187 Programming with Data Structures
- CS 240 Reasoning Under Uncertainty
- LING 409 Introduction to Computational Linguistics
- LING 492B Computational Linguistics: Use & Meaning
- CS 585 Introduction to Natural Language Processing

### *Psychology & Psycholinguistics*

- PSYCH 240 Statistics in Psychology
- LING 394BI Language & Cognition
- LING 411 Introduction to Language Acquisition
- LING 412 Language Processing & the Brain
- LING 611 Psychological Background to Linguistic Theory
- LING 692C Cognitive Modelling: Introduction to Computational Psycholinguistics

### *Theoretical Linguistics*

- LING 201 Introduction to Linguistic Theory
- LING 401 Introduction to Syntax
- LING 402 Speech Sounds & Structure
- LING 495C Morphology
- LING 501 Introduction to Semantics
- LING 503 Intermediate Syntax

## **REFERENCES**

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### *for Food & Customer Service*

- Jeff Lawrence, Restaurant Manager of Seacoast Shores Association: 508-566-6878
- Dick Sette, President of Seacoast Shores Association: 508-274-1134

### *for Residential Assistant Position*

- Jessica Proedeh, Residential Director of Kennedy Tower: 732-267-7494