

# **Elizabeth Lee**

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## **Contact/Personal**

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## **Interests**

Machine translation, NLP, machine learning, semantics

## **Education**

University of Rochester, Rochester, NY

Master of Science in Computational Linguistics  
Expected graduation: Spring 2019

University of Florida, Gainesville, FL

Bachelor of Arts in Linguistics, Magna Cum Laude, May 2016  
Thesis: "The Effects of Segmentation on the Processing of Binomial Expressions"  
Minor in East Asian Languages and Literatures: Japanese

## **Relevant Coursework**

Logical Foundations of AI – in progress

- Learning foundational topics in artificial intelligence such as first-order logic, knowledge representation, and probabilistic inference
- Writing programs in Lisp that accomplish tasks such as information storage and relation manipulation

Tools for Language Documentation – in progress

- Learning how to use software designed to record and annotate language data (Praat, FLEEx, ELAN)
- Will work with a partner and a consultant on a language documentation project using the aforementioned software

Programming Fundamentals 1 & 2

- Learned and applied basic concepts in programming with Java and C++ (classes and hierarchies, conditionals, loops, arrays, hashmaps, function calls, recursion, linked lists)
- Worked with a team to develop a simple video game in C++ employing SFML

## **Computer Skills**

Programming/Coding

- Experience coding in C++, Java, JavaScript, Lisp, MATLAB, MIPS, Python, R, SQL
- Created website from scratch (elizlee.github.io)

Software/Misc.

- Experience using Windows, Macintosh, Linux, and Android operating systems
- Created virtual 3D objects using modeling software (AutoCAD, SolidWorks, SketchUp)
- Edited images and created digital art (Adobe Photoshop, PhotoScape, Paint.NET)

## Involvement

### Brain and Language Lab at UF – Undergraduate Research Assistant 2015—2016

- Researched and gathered materials for linguistics experiments
- Edited scripts in Python and R
- Ran a psycholinguistics experiment
  - Gathered materials through COCA (Corpus of Contemporary American English)
  - Scheduled appointments with participants
  - Recorded and analyzed data using Microsoft Office, E-Prime, and R Studio

### UF Linguistics Society 2014—2016

### UF Computational Linguistics Club 2015—2016

- Learned how to use Python's NLP Toolkit

### Japanese Club at UF 2012—2016

- Co-Dance Team Coordinator 2013—2014
  - Choreographed and taught Japanese dances for performances
- Creative Director 2014—2015
  - Taught students how to make Japanese-themed crafts
  - Obtained and created decorations for club events
- Treasurer 2015—2016
  - Kept track of club's budget and efficiently used funds
  - Organized the Spring Festival Fashion Show

### Kakehashi Project (promoted by Japan's Ministry of Foreign Affairs) December 2015

- Selected to participate in a youth exchange program from a pool of applicants
- Visited several locations in Japan, interacted with Japanese university students, and participated in homestay
- Prepared slideshows for our school's presentations
- Wrote a blog about our experiences in Japan ([konnichiwigatordesu.tumblr.com](http://konnichiwigatordesu.tumblr.com))

## Work Experience

### National High Magnetic Field Laboratory – Laboratory Assistant Summer 2012, 2013

- Prepared samples for microanalysis (polishing)
- Edited images using Photoshop
- Created slideshow presentations to present research findings

## Publications

Kametani, F., **Lee, E. G.**, Shen, T., Lee, P. J., Jiang, J., Hellstrom, E. E., and Larbalestier, D. C. "**An Explanation of How Split Melt Processing Can Enhance the Critical Current Density of Bi2212 Round Wires Based on Examination of Bubble Size and Density Formed in the Melt**" *Superconductor Science and Technology* 27, no. 5 (2014): 055004.

## Foreign Languages

- Intermediate reading and speaking ability in Japanese
- Elementary reading and speaking ability in (Mandarin) Chinese