**Elizabeth Lee**

Last updated: 1/30/2018

**Contact/Personal**

General email elgclee@gmail.com

University email elee86@ur.rochester.edu

LinkedIn elizabeth-g-lee

Website elizlee.github.io

**Interests**

Machine learning, NLP, data analysis, semantics, second-language acquisition

**Education**

***University of Rochester, Rochester, NY*** 2017—

Master of Science in Computational Linguistics

Expected graduation: Spring 2019

*University of Florida, Gainesville, FL* 2012—2016

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**

***Machine Learning*** – Spring 2018

* Learning and applying the mathematics behind classification, regression, and decision making
* Experimenting with basic machine learning algorithms through Python scripts

***Data Science for Linguistics*** – Spring 2018

* Exploring and analyzing language data through Python and R
* Will complete a linguistic data analysis project

***Logical Foundations of AI*** – Fall 2017

* Learned foundational topics in artificial intelligence such as first-order logic, knowledge representation, and probabilistic inference
* Wrote programs in Lisp that accomplished tasks relevant in AI such as information storage and retrieval, relation manipulation, and planning

*Programming Fundamentals 1 & 2* – Spring 2013 / Fall 2014

* 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***

* Coded several small projects in as coursework or for personal use in C++, Java, Lisp, and Python
* Practiced JavaScript, MATLAB, MIPS, R, and SQL through coursework or self-study
* Created personal website from scratch (elizlee.github.io)

*Software/Misc.*

* Annotated and documented natural language data (Praat, ELAN, FLEx)
* Used game engines to create simple games (RPG Maker, RenPy)
* Created and edited videos (WMM, YouTube)
* Edited audio files (Audacity, Melodyne)
* Modeled virtual 3D objects (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 (konnichiwagatordesu.tumblr.com)

**Work Experience**

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

* Prepared samples for microanalysis (polishing, ion milling, other miscellaneous tasks)
* 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**

***Japanese***

* Studied Japanese for six semesters
* Member of the Japanese National Honor Society - College Chapter (2016)
* Intermediate-level reading and speaking ability

*Mandarin Chinese*

* Studied Chinese for two semesters
* Elementary-level reading and speaking ability