

# Yucen Li (Lily)

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## EDUCATION

### **Carnegie Mellon University**

Dec 2018

- Senior in School of Computer Science, 3.81/4.0 GPA
- Minor in Statistics, Minor in Language Technologies

## RESEARCH

### **Multi-Word Expressions in Word Embeddings, Linguistics Lab**

Aug 2018–Present

- Identify multi-word expressions in languages through different linguistic approaches
- Analyze granularity of words in a variety of languages
- Compare cross-lingual embeddings with and without multi-word expressions

### **Documentation in OSS, Socio-Technical Research Using Data Excavation Lab**

Aug 2018–Present

- Conduct analysis on GitHub READMEs to identify similarities in topics between projects
- Mine GitHub repository data to model the number of newcomers as a function of the contents of the documentation, controlling for other factors such as age and size

### **Cross-lingual Dependency Parsing, Independent Study**

Nov 2017–May 2018

- Analyzed linguistic properties of languages such as subject object order to evaluate which features are most relevant to neural networks for cross-lingual dependency parsing
- Configured multilingual model for experiments with different combinations of languages

## EXPERIENCE

### **Facebook, Software Engineering Intern**

May 2018–Aug 2018

- Worked on Instagram Explore product team to add functionality to tag users in videos
- Implemented reusable component for profile which is now standard across app

### **Facebook, Software Engineering Intern**

May 2017–Aug 2017

- Worked on the Mobile Interface Health team to classify HTTP requests on the Android app
- Extended parsing in Duckling, an open-source Haskell text library, to include weights

### **Hyland, Software Engineering Intern**

May 2016–Aug 2016

- Optimized Microsoft Word placeholders through Microsoft Word plugin using C# and WPF
- Used .NET framework to design controls for bulk creation of placeholders

## PROJECTS

### **MAO, Personal Project**

Sep 2016–May 2017

- Developed a web application using Django that allows students to practice Mandarin
- Integrated application with MySQL to display students' progress on learning modules

### **TartanHacks: Survivor Network, Personal Project**

Feb 2016

- Used Flask framework to build web application to connect survivors of sexual assault

## EXTRACURRICULAR ACTIVITIES

### **Academic Development, EXCEL Leader Supervisor**

August 2016–Present

- Work with professors to design curriculum and lead weekly review groups for students in 21-127: Concepts of Mathematics and 21-241: Matrices and Linear Transformations
- Facilitate other EXCEL leaders in leading successful sessions for students