

# JULIE KALLINI

*Curriculum Vitae (updated Oct. 2021)*

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## EDUCATION

**Princeton University**, B.S.E. in Computer Science (*summa cum laude*), May 2021  
Minor in Linguistics

**Thesis:** "A Corpus-based Analysis of Two-termed Coordination," Advisor: Christiane Fellbaum

**CS Coursework:** Machine Translation, Theory of Algorithms, Theory of Computation, Networks, Functional Programming, Compilers, Computer System Design, Software Engineering, Logic Design

**Linguistics Coursework:** Phonology, Syntax, Morphology, Intonation, Historical/Comparative Linguistics, Language Universals/Diversity

**Saint Joseph High School** May 2017  
Valedictorian, National AP Scholar

## PUBLICATIONS

**Kallini, J.** & Fellbaum, C. (in press). "A Corpus-based Syntactic Analysis of Two-termed Unlike Coordination." *Findings of Empirical Methods in Natural Language Processing (EMNLP)* 2021.

## AWARDS AND HONORS

**Phi Beta Kappa**, Princeton University 2021  
Inducted with the top 1/10 of all graduating seniors

**Phillip Goldman '86 Senior Prize in Computer Science**, Princeton University 2021  
Highest honor awarded to the top student in the graduating computer science class

**Outstanding Computer Science Senior Thesis Prize**, Princeton University 2021

**Outstanding Student Teaching Award**, Princeton University 2021

**Tau Beta Pi (Engineering Honor Society)**, Princeton University 2019  
Inducted junior year with the top 1/8 of engineering students

## TEACHING

**Teaching Assistant**, COS 401/TRA 301: Machine Translation, Feb 2021 – May 2021  
Princeton University

Designed coding exercises and handouts for students to complete during weekly hour-long practicums. Taught and led discussions during these practicum sessions. Held office hours.

**Teaching Assistant**, COS 461: Computer Networks,  
Princeton University  
Led breakout groups during twice-weekly class sessions. Explained course material, solved example test problems, and facilitated discussions among students.

Sep 2020 – Dec 2020

## WORK EXPERIENCE

**Software Engineer**, Facebook  
Full-time software engineer at Facebook.

Oct 2021 – Present

**Software Engineering Intern**, Facebook  
Built a workflow tool that monitors and manages queues of inappropriate or abusive content as a member of the Community Integrity Team. Worked with Hack (PHP), React, SQL, and Python.

May 2020 – Aug 2020

**University Engineering Intern**, Facebook  
Trained in Android mobile development using Java. Conceptualized and built an Android app that organizes and streamlines office hours queues with a Facebook product team.

Jun 2019 – Aug 2019

**Lead Grader/Course Assistant**, COS 226: Algorithms and  
Data Structures, Princeton University  
Compiled and edited assignment/exam rubrics alongside instructors. Supervised other graders and course assistants during weekly grading meetings. Verified all graded assignments before release.

Sep 2018 – May 2019

**Grader/Course Assistant**, COS 126: Introduction to Computer  
Science, Princeton University  
Attended weekly meetings to grade assignments, projects, and exams. Provided constructive feedback on the accuracy and quality of students' Java code.

Feb 2018 – May 2018

## SKILLS

### Programming Languages

- **Fluent:** Python, Java
- **Proficient:** C, OCaml, SQL, JavaScript, PHP, HTML/CSS
- **Familiar:** C#, Golang, MATLAB

### Frameworks

- **ML/NLP:** NumPy, Pandas, Matplotlib, SpaCy, PyTorch, TensorFlow
- **Web Development:** React, Flask, Bootstrap, SQLAlchemy

## ACTIVITIES

Princeton Women in Computer Science Member, Princeton University Mathematics Competition  
Volunteer, Princeton Computational Linguistics Society Member