

JULIE KALLINI

Curriculum Vitae (updated Oct. 2021)

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EDUCATION

Princeton University, B.S.E. in Computer Science (*summa cum laude*), 2017 – 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 2013 – 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 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 12% 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

Sep 2020 – Dec 2020

Led breakout groups during twice-weekly class sessions. Explained course material, solved example test problems, and facilitated discussions among students.

WORK EXPERIENCE

Software Engineer, Facebook

Oct 2021 – Present

Full-time software engineer at Facebook.

Software Engineering Intern, Facebook

May 2020 – Aug 2020

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.

University Engineering Intern, Facebook

Jun 2019 – Aug 2019

Trained in Android mobile development using Java. Conceptualized and built an Android application that organizes and streamlines office hours queues with a Facebook product team.

Lead Grader/Course Assistant, COS 226: Algorithms and
Data Structures, Princeton University

Sep 2018 – May 2019

Compiled and edited assignment/exam rubrics alongside instructors. Supervised other graders and course assistants during weekly grading meetings. Verified all graded assignments before release.

Grader/Course Assistant, COS 126: Introduction to Computer
Science, Princeton University

Feb 2018 – May 2018

Attended weekly meetings to grade assignments, projects, and exams. Provided constructive feedback on the accuracy and quality of students' Java code.

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