JULIE KALLINI

***Curriculum Vitae* (updated July 2022)**

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EDUCATION

Princeton University, B.S.E. in Computer Science (*summa cum laude*), Minor in Linguistics **2017 – 2021**
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, Logic Design, Discrete Math
Linguistics Coursework: Phonology, Syntax, Morphology, Intonation, Historical/Comparative Linguistics, Language Universals/Diversity

PUBLICATIONS

Julie Kallini and Christiane Fellbaum. (in press). Computational Approaches for Understanding Semantic Constraints on Two-termed Coordination Structures. In *Proceedings of the 25th International Conference on Text, Speech and Dialogue*, Brno, Czech Republic. Springer.

Julie Kallini and Christiane Fellbaum. 2021. A Corpus-based Syntactic Analysis of Two-termed Unlike Coordination. In *Findings of the Association for Computational Linguistics: EMNLP 2021*, pages 3998–4008, Punta Cana, Dominican Republic. Association for Computational Linguistics.

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, Applied Machine Learning, co:rise **Feb 2022 – Present**
Host several weekly coding parties and one-on-one office hours for ML students. Provide quality assurance for projects, which cover classification and regression tasks using various Python libraries.

Teaching Assistant, COS 401/TRA 301: Machine Translation, Princeton University — **Jan 2021 – May 2021**
Designed Python 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, Meta — **Oct 2021 – Present**
Full-time software engineer on the Ads Responsibility and Privacy team. Employ ML and content understanding techniques for topic detection in advertisements across the Facebook family of apps.

Software Engineer Intern, Meta — **May 2020 – Aug 2020**
Built a tool to analyze data and manage how inappropriate content enters the human review system as a member of the Community Integrity Team. Worked with Hack (PHP), React, SQL, and Python.

Software Engineer Intern, Meta — **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.

VOLUNTEERING

Alumni Interview Volunteer, Princeton University — **Nov 2021 – Present**
Conducted interviews with high school students applying to Princeton University on behalf of the Office of Undergraduate Admissions.

SKILLS

Programming Languages

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

Frameworks

- ML/NLP: PyTorch, Scikit, NumPy, Pandas, Matplotlib, SpaCy
- Web Development: React, Flask, Bootstrap, Presto

ACTIVITIES

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