

CHARLOTTE J. LAMBERT

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EDUCATION

University of Illinois Urbana-Champaign, Champaign, IL
Doctor of Philosophy in Computer Science, Expected 2025

Vassar College, Poughkeepsie, NY

Bachelor of Arts, May 2020

- Major: Computer Science
- Correlate Sequences (minors): Mathematics; Italian
- Cumulative GPA: 3.9/4.00
- *Relevant Coursework*: Analysis of Algorithms; Data Structures; Software Design; Language Theory and Computation; Graphics; Computer Organization; Operating Systems; Statistics; Advanced Linear Algebra
- Graduated with general and Computer Science departmental honors

The Beacon School, New York, NY

High School Diploma, June 2016

- Honors conferred in: English, History, Language, Math, Science

RESEARCH EXPERIENCE

Supervisor: Jonathan Gordon, Visiting Assistant Professor of Computer Science, Vassar College

Research Assistant, “Computational Models of Literary Variation,” October 2018–May 2020

- Assisted professor on projects related to natural language processing
- Developed skills in Python and an understanding of NLP topics
- Analyzed patterns in data collected about the use of language in a corpus of books

Supervisor: Julia Hockenmaier, Associate Professor of Computer Science, University of Illinois Urbana-Champaign

Distributed Research Experiences for Undergraduates Intern, “Collaborative Dialogue in Minecraft,” May–August 2019

- Worked with Professor Hockenmaier and a team of graduate and undergraduate students
- Started building fully interactive agents to communicate using natural language in a 3D environment
- Used concepts in NLP and deep learning to improve quality of utterances generated by two agents
- Worked on neural network to recognize shapes in 3D with nearly 100% accuracy

Supervisor: Jonathan Gratch, Research Professor, University of Southern California Viterbi School of Engineering Computer Science Department; Director for Virtual Humans Research, Institute for Creative Technologies

Research Experiences for Undergraduates Intern, “Impact of AI on User Psychology,” May–August 2018

- Developed and optimized code to support a system to be used to carry out a future study
- Worked to create realistic AI capable of negotiating online with users and other AIs

PROFESSIONAL SERVICE

Sub-reviewer, “AAAI-MAKE: Combining Machine Learning and Knowledge Engineering Practice,” AAAI Spring Symposium 2020, Stanford University

OTHER WORK EXPERIENCE

Maison Kayser, Barista, New York, NY, May–August 2017

- Prepared to-stay and to-go drink orders for more than twenty selections
- Engaged with customers professionally in a fast-paced environment
- Assisted with store maintenance, including stocking and cleaning

LANGUAGES

Italian (proficient); Spanish (reading)

PROGRAMMING

Python, Java, C/C++, R, Matlab, L^AT_EX, Dr Racket/Scheme