WILLIAM GANTT

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EDUCATION

University of Rochester, M.S., Ph.D. Computer Science, GPA: 4.0 — Anticipated May 2024

- Advisors: Aaron Steven White and Dan Gildea
- Relevant Coursework: *Machine Learning, Machine Vision, Statistical Speech and Language Processing, Deep Learning, Data Management Systems, Semantic Analysis, Formal Semantics, Syntactic Theory, Computational Complexity, Programming Languages, Design and Analysis of Efficient Algorithms*

Bowdoin College, B.A. Computer Science (honors), *cum laude*, Phi Beta Kappa, GPA: 3.88 — May 2017

- Advisors: Clare Bates Congdon and Stephen Majercik
- Thesis: *An Investigation of Genetics-Based Machine Learning as Applied to Global Crop Yields*
- Relevant Coursework: *Robotics, Optimization and Uncertainty, Introduction to Systems, Computer Networks, GIS Algorithms & Data Structures, Databases, Algorithms, Data Structures, Introduction to Computer Science, Linear Algebra, Statistics, Probability, Mathematical Reasoning, Multivariate Calculus*

INTERESTS

Natural language understanding, information extraction, machine learning

WORK EXPERIENCE

Okta — July 2017 - July 2019
Software Engineer — *San Francisco, CA*

- Led development on Okta's authentication and authorization pipeline by developing new policy and HTTP callbacks frameworks.
- Developed an out-of-the-box self-service registration platform for web apps.

SERVICE

Teaching and Mentoring
Teaching Assistant

- Spring 2021: *Machine Learning* (CSC 246/446)
- Fall 2020: *Statistical Speech and Language Processing* (CSC 248/448)
- Spring 2020: *Machines and Consciousness* (CSC 191/291)

Reviewing
Emergency Reviewer

- Spring 2021: NAACL-HLT 2021

PUBLICATIONS

- **William Gantt**, Lelia Glass, Aaron Steven White. 2021. Decomposing and Recomposing Event Structure. *Transactions of the Association for Computational Linguistics (TACL)* [to appear].
- Benjamin Kane, **William Gantt**, Aaron Steven White. 2021. Intensional Gaps: Relating doxasticity, bouleticity, veridicality, factivity, and neg-raising. *Semantics and Linguistic Theory (SALT 31).*
- **William Gantt**, Benjamin Kane, Aaron Steven White. 2020. Natural Language Inference with Mixed Effects. *The Ninth Joint Conference on Lexical and Computational Semantics (*SEM).*

PROJECTS AND DATA

Decompositional Semantics Initiative

- Dataset and toolkit for commonsense semantic annotations and semantic graphs on top of Universal Dependencies on the English Web Treebank.

· Co-lead developer on version 2.0 of the Decomp Toolkit.
· Lead author of UDS-EventStructure dataset.

MegaIntensionality

· Lexicon-scale dataset of lexically-triggered belief and desire inferences across 725 English clause-embedding verbs. Part of the MegaAttitude project.

IARPA BETTER

· Multilingual information extraction (IE) and retrieval (IR) competition funded by IARPA.
· Co-Developer of the IE model for team led by Johns Hopkins University.

HONORS & AWARDS

Sproull Fellowship University of Rochester, September 2019
The University of Rochester's most prestigious graduate fellowship, awarded to fewer than a dozen incoming PhD students on the basis of an outstanding academic record and unusual potential for graduate study.

NSF Research Traineeship University of Rochester, September 2019
Full-stipend one-year fellowship awarded to a small set of PhD students in Computer Science and Brain and Cognitive Sciences focused on computationally-oriented, interdisciplinary research training.

Computer Science Senior-Year Prize Bowdoin College, May 2017
Awarded to the student who has achieved the highest distinction in the major program in computer science.

SKILLS

Programming Languages	Python (Expert), Java (Competent), C++ (Familiar), C (Familiar) MySQL (Familiar)
Tools & Libraries	NumPy, Pandas, PyTorch, AllenNLP, NetworkX, Amazon Mechanical Turk LaTeX, Git, Vim