WILLIAM GANTT

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SKILLS

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

EDUCATION

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

- Relevant Coursework: *Machine Learning, Machine Vision, Statistical Speech and Language Processing, Data Management Systems, Semantic Analysis, Computational Complexity, Programming Languages*
- Teaching Assistant: *Statistical Speech and Language Processing, Machines and Consciousness*

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

- 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*

EXPERIENCE

Formal and Computational Semantics Lab, University of Rochester — January 2020 - Present
Researcher — *Rochester, NY*

- Currently developing inductive factor graph models of event semantics in PyTorch based on large-scale annotations we collected on top of Universal Dependencies for event coreference and aspectual properties (**Python**).
- Developed neural NLI models that achieved up to 1.5x improvement over baseline models by using mixed effects to account for annotator disagreements (**Python**). Paper accepted to *SEM 2020.
- Primary contributor to forthcoming v2.0 of the open-source Decompositional Semantics dataset and toolkit (http://decomp.io/) by adding support for document-level semantic graphs and annotations (**Python**).

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 (**Java**): (https://www.okta.com/platform/identity-engine/)
- Developed an out-of-the-box self-service registration platform for web apps (**Java**).

PUBLICATIONS

- **William Gantt**, Benjamin Kane, Aaron Steven White. 2020. Natural Language Inference with Mixed Effects. Accepted with revisions at *The Ninth Joint Conference on Lexical and Computational Semantics (*SEM)*.

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
Awarded to graduate students in high-priority STEM fields with an emphasis on developing research skills and promoting interdisciplinary projects.

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.*