

Alexander Miller

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Research Interests

I'm interested in structured prediction, probabilistic graphical models, and the development of machine learning methods which can integrate large amounts of data from heterogeneous sources. In terms of applications, I'm particularly interested in applying machine learning to problems in biology and medicine.

Academic History

University of California, Santa Cruz

B.A., Computer Science

- 3.89 cumulative GPA
- Dean's Honors 5 quarters

Santa Cruz, CA

Graduating March 2021

Research/Teaching Experience

LINQS Member

LINQS

- Conduct research under Professor Lise Getoor in collaboration with other LINQS members

Santa Cruz, CA

June 2020 - Present

LINQS Student

LINQS Learning Lab

- Studied the work being done at LINQS and the general field of statistical relational learning (SRL)
- Conducted research in this field alongside other LINQS Learning Lab students and LINQS members

Santa Cruz, CA

September 2019 – May 2020

Publications

Alex Miller, Naum Markenzon, Varun Embar, and Lise Getoor. "Collective Bio-Entity Recognition in Scientific Documents using Hinge-Loss Markov Random Fields." *International Workshop on Mining and Learning with Graphs (MLG)*. 2020.

Skills

- Python, Pandas, Scikit-learn
- C++, C
- UNIX/Linux

Industry Experience

Software Development Intern

Ourglass TV

- Developed applications with Node.JS and Angular 1.0 for out-of-home televisions.

Campbell, CA

June 2017 – July 2017