

# 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*