

# Alexander Miller

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## Publications

Charles Dickens, Alex Miller, and Lise Getoor. "[Online Collective Demand Forecasting for Bike Sharing Services](#)." Hawaii International Conference on System Sciences (**HICSS**). 2023.

Alex Miller, Eriq Augustine, Elijah Pandolfo, and Lise Getoor. "[PSL-GWAS: A Microbial GWAS Method Using Statistical Relational Learning](#)." University of California, Santa Cruz. 2023.

Charles Dickens\*, Connor Pryor\*, Eriq Augustine, Alex Miller, and Lise Getoor. "[Context-Aware Online Collective Inference for Templated Graphical Models](#)." International Conference on Machine Learning (**ICML**). 2021.

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.

## Employment

Software Developer

- App Dev For All – June 2024 - Present
- Developing computer vision-based solutions that enable end users who only have access to mobile devices to efficiently develop Android applications
- Exploring data compression techniques for software documentation for end users without an internet connection

Teaching Assistant

- University of California, Santa Cruz – January 2023 - June 2023
- Courses: Computer Systems and Assembly Language, Advanced Programming (C++)

Graduate Student Researcher, Dr. Lise Getoor, LINQS Lab

- University of California, Santa Cruz – September 2021 - September 2022
- Conducted data science research with other members of the LINQS lab

## Education

M.S. in Computer Science, University of California, Santa Cruz, June 2023

B.A. in Computer Science, University of California, Santa Cruz, March 2021

## Skills

Programming Languages: Python, C++, Java

Environments: Mac, Linux, UNIX Terminal

Data Wrangling, Analysis, and Visualization: Pandas, NumPy, SciPy, matplotlib

Machine Learning and Statistical Modeling: PyTorch, scikit-learn, statsmodels