

Keren De Jesus Fuentes

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PROFESSIONAL EXPERIENCE

Machine Learning Instructor

Inspirit AI

June 2021 - Aug 2021, June 2023 - present

Remote

- Lead introductory machine learning lectures and advise AI final projects

AI Resident

Meta AI Research

Aug 2021 - March 2023

New York, NY

- Led a project that evaluates the robustness of fairness metrics for language models to noise and random variation
- Assisted a project that evaluates the robustness of models to changes in sentence length and used priming methodologies to increase or decrease the stereotypicality scores of language models

Software Engineer

Microsoft

Aug 2019 - July 2021

Bellevue, WA

- Integrated Microsoft tools to the Microsoft Pytorch Initiative
- Implemented hyperparameter tuning algorithms for an AutoML Pytorch library
- Contributed to the development of ML.NET, a machine learning framework for .NET

Research Assistant

University of Pennsylvania

Jan 2019 - Aug 2019

Philadelphia, PA

- Conducted natural language processing research in Prof. Chris Callison-Burch's lab

Software Engineer Intern

Qualtrics

June 2018 - Aug 2018

Seattle, WA

- Revamped and optimized a ticket queues feature
- Wrote unit, API and E2E tests, load tested and deployed ticket queues feature to production

PREPRINTS & PUBLICATIONS

1. **Keren Fuentes**, Levent Sagun, Adina Williams, and Maximilian Nickel. On the robustness of intrinsic evaluation metrics for stereotypes in language models. *Preprint*. Copy available upon request
2. Koustuv Sinha, John Gauthier, Kanishka Misra, Aaron Mueller, **Keren Fuentes**, Roger Levy, and Adina Williams. [Language model acceptability judgements are not always robust to context](#). *ACL*, 2023. **Outstanding Paper Award**

EDUCATION

University of Pennsylvania, School of Engineering and Applied Science

M.S.E in Computer Science

2018-2019

B.S.E in Computer Science, minor in Mathematics

2014-2019

TEACHING EXPERIENCE

CIS 121: Data Structures and Algorithms

University of Pennsylvania

Jan 2018 - May 2019

Philadelphia, PA

- Met with 3-5 students on a weekly basis to discuss class lectures and problem sets

CIS 240: Introduction to Computer Systems

University of Pennsylvania

Jan 2018 - Dec 2018

Philadelphia, PA

- Held weekly office hours, led review sessions, and graded homework and exams

LEADERSHIP & SERVICE

Board Member & Director of Technology

The Percentage Project

March 2020 - March 2021

Remote

- Lead a group of student developers to build the technologies used by the organization
- Help design and implement methods that use collected data to drive an increase in diversity and inclusion in computer science departments nationwide

Diversity Committee Member
University of Pennsylvania

Aug 2018 - May 2019
Philadelphia, PA

- Collaborated with students and faculty to design initiatives that help increase diversity and inclusion in the Penn computer science department
- Helped organize an annual Computer Science Diversity Summit

LANGUAGES & SKILLS

Natural languages: Spanish (native), English (fluent)

Programming languages: Python (extensive), C (intermediate), MATLAB (intermediate), Java (intermediate)

Libraries: Pytorch (extensive), FairSeq (extensive), HuggingFace (intermediate)