

# Ivan Montero

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## Education

### University of Washington

M.Sc. COMPUTER SCIENCE

- Advisor: Noah A. Smith

Seattle, WA

Sept. 2021 - June 2022

### University of Washington

B.Sc. COMPUTER SCIENCE

- GPA: 3.9
- Undergrad research advisors: Noah A. Smith, Nikolaos Pappas

Seattle, WA

Sept. 2017 - June 2021

## Papers

**Ivan Montero**, Nikolaos Pappas, Noah A. Smith, "Sentence Bottleneck Autoencoders from Transformer Language Models", Under Review, 2021.

**Ivan Montero**, Shayne Longpre, Ni Lao, Andrew J. Frank, Christopher DuBois, "Pivot Through English: Reliably Answering Multilingual Questions without Document Retrieval", Under Review, 2020. URL <https://arxiv.org/abs/2012.14094>

Florian Mai, Nikolaos Pappas, **Ivan Montero**, Noah A. Smith, James Henderson, "Plug and Play Autoencoders for Conditional Text Generation", In *Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2020. URL <https://www.aclweb.org/anthology/2020.emnlp-main.491>

## Professional Experience

June 2021 - Sept. 2021 **Research Intern, APPLE**

Question Answering

Sept. 2020 - Dec. 2020 **Software Engineering Intern, FACEBOOK**

Image Understanding Improvements to Photo Search on the Visual Search Relevance team.

June 2020 - Sept. 2020 **Software Engineering Intern, GOOGLE**

Embedding Retrieval Optimizations on the Machine Learning Google Research team.

March 2020 - June 2020 **Research Intern, APPLE**

Pivot Through English: Reliably Answering Multilingual Questions without Document Retrieval

June 2019 - Sept. 2020 **Teaching Assistant, UNIVERSITY OF WASHINGTON**

Machine Learning

June 2019 - Sept. 2019 **Software Engineering Intern, GOOGLE**

Street View Billboard Detection And Physical Metric Inference on the Ads team.

June 2018 - Sept. 2018 **Engineering Practicum Intern, GOOGLE**

Image Clustering Pipeline design/implementation on Image Understanding Google Research.

## Teaching Experience

Winter 2020 **Machine Learning**, Teaching Assistant

Autumn 2019 **Machine Learning**, Teaching Assistant

Spring 2019 **Software Design and Implementation**, Teaching Assistant

## Awards, Fellowships, & Grants

2019 **Microsoft Endowed Scholarship**, Microsoft

2018 **Washington State Opportunity Scholarship, WSOS**

2017 **Paul G. Allen School Direct Admission, University of Washington**  
**Edward Jones Maple Valley Scholarship, Edward Jones**  
**Public School Employee Union Scholarship, Tahoma School District**