

# Matías Grioni

SOFTWARE ENGINEER · ML & NLP ENTHUSIAST

Seattle, WA

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## Education

### The Ohio State University

B.S. IN COMPUTER SCIENCE AND ENGINEERING

- Minors in Mathematics and Linguistics
- GPA: 3.987

Columbus, Ohio

August 2014 - May 2018

## Work Experience

### Quid, Inc.

SOFTWARE ENGINEER INTERN

- Investigated integration of news dataset into existing data acquisition pipeline.
- Use of Apache Spark and Kafka for parallel data processing and news article deduplication.
- Created Elasticsearch clients in Python for automated batch processing of sentiment analysis and Named Entity Recognition (NER).
- Benchmarking system for JavaScript physics engine and porting to Java service on backend.

San Francisco, California

June 2017 - August 2017

### The Ohio State University

UNDERGRADUATE RESEARCHER UNDER MARIE-CATHERINE DE MARNEFFE

- Improved consistency of Universal Dependencies corpora by implementing and building on research in On Detecting Errors in Dependency Treebanks.
- Created pipeline for sentiment analysis of Shakespeare plays using Folger's digital texts and Stanford CoreNLP tools.
- Implementing active learning approach in Latin NER system based on Perseus project, TreeTagger, and William Whitaker's words.
- Publication and poster presentation at DepLing 2017, Assessing the Annotation Consistency of the Universal Dependencies Corpora.

Columbus, Ohio

September 2016 - May 2018

### Battelle Memorial Institute

SOFTWARE ENGINEER INTERN

- Created Windows app in C# to communicate with oil pipe scanner using Tortoise SVN and Visual Studio.
- Created custom heatmap graph from PictureBox component to visualize results from tool.
- Setup development environment for Element 14 controller with uboot bootloader on C++ project.

Columbus, Ohio

May 2016 - August 2016

### Web Developer

TAIVARA

- Experience with git and agile development to coordinate consulting work amongst 10+ developers.
- Implemented timeout feature, input validation, and tenant styling on credit card application using Ruby on Rails, React, and Redux.
- Updated TicketFire Android app to current framework standards. Experience with RESTful APIs and adding feature to sell tickets.

Columbus, Ohio

September 2015 - May 2016

## Awards

2017 **Top Tier Finisher**, Make OHI/O

2016 **Best Software Hack**, Hack OHI/O

2015 **Best Javascript Solution**, Hack OHI/O

2015 **3rd Place - Round Robin Competition**, Honors Engineering Robotics Competition

Columbus, Ohio

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## Skills

**Programming Languages** C#, Python, Java (advanced); Javascript, Ruby, C, C++ (intermediate); Go, Scala (project experience)

**Technologies** .NET, SQL, Android, Ruby on Rails (intermediate); Spark, Kafka, Elasticsearch (project experience)

**Human Languages** English, Spanish (native); French, Italian, Esperanto (conversational)

## Projects

### Albert: The Euchre AI

Evaluation of Monte Carlo tree search on a non-deterministic, imperfect information card game

### Velodroid

A smart lit bike. A bike that has brake lights, turn signals, and turn by turn navigation for safer city riding.

### Rise and Shine

Android app to log screen wakes to systematically track phone usage and decrease technology dependence.