

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

Microsoft

SOFTWARE ENGINEER

- Software engineer for Hardware Lab Kit (HLK) in the Azure organization
- Created various developer tools using C# and powershell to simplify HLK use. Stack includes SQL, C#, Powershell, and C++
- Improved devops processes with automatic test monitoring, log mining, and fresh perspective with CI tools and functional coding
- Experience in Kusto and telemetry mining to understand testing deficiencies
- Improved installation time by 50%, added support for new Windows platform testing, and simplified test creation process for test authors

Seattle, Washington

June 2018 - Present

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

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
Velodroid
Rise and Shine

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

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

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