

Matías Grioni

SOFTWARE ENGINEER · ML & NLP ENTHUSIAST

Columbus, Ohio

☎ (330) 998-1645 | ✉ matgrioni@gmail.com | 🏠 matgrioni.github.io | 📷 matgrioni | 📺 matgrioni

Education

The Ohio State University

B.S. IN COMPUTER SCIENCE AND ENGINEERING

- Minors in Mathematics and Linguistics
- GPA: 3.987

Columbus, Ohio

May 2018 (Expected)

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 Tree-banks*.
- 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 - PRESENT

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

Taivara

WEB DEVELOPER

- 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 **Best Software Hack**, Hack OH/O

2017 **Top Tier Prize**, Make OH/O

2016 **Best Javascript Implementation**, Hack OH/O

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

Columbus, Ohio

Columbus, Ohio

Columbus, Ohio

Columbus, Ohio

Skills

| | |
|------------------------------|---|
| Programming Languages | Python, Java (expert); Javascript, Ruby, C, C++ (intermediate); Go (limited project experience) |
| Frameworks | Android, Ruby on Rails (intermediate); Spark, Kafka, Elasticsearch, SQLite (limited project experience) |
| (Human) Languages | English, Spanish (native); French, Italian (conversational level) |

Projects

| | |
|------------------------------|--|
| Albert: The Euchre AI | Evaluate 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 application to log screen wakes. Track your phone usage systemically in order to decrease technology dependence. |