**Joseph M. Wlos**  *593 St. Marks Ave., Brooklyn, NY 11216 * [*joewlos17@gmail.com*](mailto:joewlos17@gmail.com) ** [*joewlos.com*](http://joewlos.com/)

**DATA SCIENCE & ENGINEERING**

**JOOR:** *Data Analyst*  **June 2016 - Present**

* Creating Django API endpoints to fuzzy match client name, address, and email data to active accounts
* Detecting products in images using histogram of oriented gradients feature descriptors and clustering image pixels to provide visualizations of product colors across orders and seasons
* Using CakePHP to bulk update customer code and price data tables through Excel imports
* Developing Excel VBA subroutines for the validation of product names, seasons, and identifiers
* Writing and executing SQL queries for measuring and segmenting gross merchandise volume in reports

**Morningstar:** *Data Analyst, Reference Data*  **July 2015 - May 2016**

* Developed Python program for mapping identifiers to derivatives through Bloomberg’s Open FIGI API
* Coordinated with teams in China and India to write SQL queries to gauge ETL cycle times and run VBA subroutines to identify ETL inefficiencies
* Edited and distributed the weekly equity newsletter, which featured qualitative and quantitative research, and automated the retrieval and visualization of price and sector data in Excel
* Automated the matching process for client-provided variable annuity names to Morningstar’s identifiers

**FREELANCE & VOLUNTEERING**

**Watchlist on Children and Armed Conflict:** *Delta.NYC Volunteer* **November 2016**

* Updated website SEO and created social media graphics as a member of Civic Hall’s *pro bono* program

**Presevent:** *Co-Founder*  **May 2015 - June 2016**

* Built web scraper to acquire location, time, and cost data for over 3,000 presidential campaign events
* Awarded FB Start program in Oct. 2015, which included mentorship and $50,000 in benefits

**First Analysis:** *Freelance Equity Research Editor* **February 2016**

* Edited analyst research on SaaS and pharmaceutical industries for reports to institutional investors

**Zinkerz:** *Freelance Writer* **November 2014 - January 2016**

* Wrote 100- to 800-word reading comprehension passages for SAT and ACT prep application

**EDUCATION**

**Grinnell College*****B.A. in Political Science with Honors***

* Winner of 2015 Baumann Essay Prize for research on the regulation of net neutrality **Class of 2015**
* Thesis outlining history of *habeas corpus* applied to extrajudicial detentions at Guantánamo Bay prison

**University of Chicago Booth School of Business *Summer Business Scholars Program***

* Accounting, Finance, Marketing **Summer 2014**

**SKILLS**

**Data Science & Analysis**

* Pandas & NumPy
* scikit-learn
* VBA

**Database Management**

* Microsoft SSMS
* PostgreSQL
* SQLAlchemy

**Web Frameworks**

* CakePHP
* Django
* Flask