**Joe Wlos**  *641 St. Marks Ave., Apt. 2F, Brooklyn, NY 11216 * [*joewlos17@gmail.com*](mailto:joewlos17@gmail.com) ** [*joewlos.com*](http://joewlos.com/)

**PROFESSIONAL EXPERIENCE**

**Dwight Securities Management:** *Associate*  **June 2017 – Present**

* Actively-managed fixed income fund with investments across CMBS markets
* Building and maintaining data pipelines for vendor, government, and proprietary sources

**JOOR:** *Data Analyst*  **June 2016 – May 2017**

* Created Django API endpoints to fuzzy match client name, address, and email data to active accounts
* Detected products in images using histogram of oriented gradients feature descriptors and clustered image pixels to provide visualizations of product colors
* Developed CakePHP controllers to bulk update customer code and price data from Excel imports
* Wrote VBA scripts for the validation of product names, seasons, and identifiers
* Measured and segmented gross merchandise volume for internal and external reports

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

* Developed Python scripts for mapping identifiers to derivatives with Bloomberg’s Open FIGI API
* Coordinated with teams in China and India to write SQL queries to gauge ETL cycle times and VBA scripts to identify process 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

**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 scrapers to acquire location, time, and cost data for over 3,000 Election 2016 campaign events
* Awarded FB Start program in October 2015, which included mentorship and $50,000 in benefits

**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* **Class of 2015**

* Thesis outlining history of *habeas corpus* applied to extrajudicial detentions at Guantánamo Bay prison
* Winner of 2015 Baumann Essay Prize for research on the regulation of net neutrality
* 2012-2013 Chair of the Student Publication and Radio Committee and co-founder of *The GUM* magazine

**SKILLS**

**Database Management**

* Amazon RDS
* Microsoft SSMS
* PostgreSQL
* SQLAlchemy

**Data Analysis**

* Pandas
* scikit-learn
* NumPy
* VBA

**Web Frameworks & Design**

* CakePHP
* Django
* Flask
* HTML & CSS