

# Joe Wlos

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## 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