

## PROFILE

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- Computer Science and Statistics double major at Columbia University, concentrating in Mandarin Chinese
- Data Scientist, knowledgeable in predictive modeling using machine learning, statistical modeling, big data analysis, bayesian methods, and text mining via natural language processing
- Software Engineer, experienced in rapidly prototyping and building tools for agile teams

## EDUCATION

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**New York, NY** **Columbia University** **Fall 2014 - Present**

- Rising junior, pursuing dual B.A. in Computer Science and Statistics, GPA: 3.73
- Academic Honors: 4x Deans list, 2015-2016 Kinser Family Scholar, 2016-2017 Clark Foundation Scholar
- Organizations: Brazilian Jiu-jitsu Club (Vice President, Digital Media Chair), Data Science Society, National Society of Black Engineers

## EMPLOYMENT

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**Data Scientist, Intern** **Facebook** **Summer 2016**

Platform Analytics Team

- Created and implemented *J-Virality*, a predictive metric to identify viral content within the first 5 hours after publishing
- Leveraged latent dirichlet allocation to generate user behavior embeddings for downstream models
- Created a filter for spam and inappropriate content by detecting anomalous sharing and impression patterns

**Machine Learning Engineer** **Laboratory of Intergroup Relations and the Social Mind** **Winter 2016 - Present**

- Leveraged natural language processing and machine learning algorithms to identify unique linguistic traits in marginalized groups
- Developed a lightweight web application to assist in text gathering and formatting, reducing data collections times by more than 100%

**Web Developer, Intern** **Fresh Digital Group** **Fall 2015 - Winter 2015**

- Interfaced with clients like *Illuminage* and *OK!TV* to rapidly create and monitor customer acquisition pipelines
- Created front-facing webpages to direct potential customers to mobile applications

**Sergeant** **United States Marine Corps** **Fall 2009 - Fall 2014**

2nd Assault Amphibian Battalion

- Planned and executed embarkation for multi-national operations such as Ulchi Freedom Guardian in Japan and Forest Light in South Korea
- Earned the Navy and Marine Corps Achievement medal for maintaining accountability and readiness of over \$17,500,000 worth of communications assets

## TECHNICAL PROJECTS

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- **LIRSM LabTools** (March 2016) - A lightweight web-application that scrapes and formats text from a given url
- **LIRSM DataTools** (September 2016) - A secure, proprietary data entry platform for study data
- **DartBoard** (December 2015) - An implementation of the Metropolis-Hastings Bayesian Sampling Algorithm
- **Oscarwil.de** (August 2015) - A website that generates unique quotes in the style of the late Oscar Wilde

## PROGRAMMING LANGUAGES, FRAMEWORKS, TOOLS

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- Python; R; Java; C; PHP; Javascript; HTML
- Git; Mercurial; Hive; Jupyter Notebooks; MySQL; TensorFlow; Flask; Pandas; Numpy; sklearn; Electron.js;