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CONTACT

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EDUCATION

M.S. INFORMATION MANAGEMENT

Syracuse University / Graduating Dec. 2015

GPA - 4.0

- Engagement Fellow

B.S. INFORMATION MANAGEMENT

B.A. POLITICAL SCIENCE

Syracuse University / Graduated May 2014

Summa Cum Laude

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SKILLS

RELEVANT COURSEWORK

- Information Visualization
- Applied Data Science
- Text Mining
- Advanced Web Development & Management
- Social Web Technologies
- Mining Social Media Data
- Introduction to Java Programming & Application Design
- Database Systems & Management
- Systems Administration

LANGUAGES & LIBRARIES

- Python
- JavaScript
- R
- HTML5
- CSS3
- Ruby
- SQL
- Java
- React
- Flux
- Express
- Flask
- D3
- Rails

SOFTWARE & SYSTEMS

- Mac OS X
- Microsoft Windows XP, 7, & 8
- Ubuntu Linux

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EXPERIENCE

BITS LAB / SOFTWARE DEVELOPER

Syracuse, NY / September 2014 - Present

- Lead developer of STACK, a toolkit for researchers to collect and analyze large social media data sets from Twitter's Streaming API and Facebook's Graph API
- Work in a Python environment to build and maintain the toolkit. Use the Flask framework for the toolkit dashboard and Celery + RabbitMQ for the back-end collection task queue
- Contracted by the World Bank to design and implement custom data collection processes

MADE BY MANY / PRODUCT ENGINEERING INTERN

New York City, NY / June 2015 - August 2015

- Built HelloBacker, an application for matching event planners and sponsors, as part of an intern product team tasked with creating a production-ready application from scratch in twelve weeks
- Served as the lead developer and participated in the full product development process, including research, prototyping, and build
- Developed HelloBacker in a full-stack JavaScript environment: worked with React and Flux on the front-end, and Express, BookshelfJS, and PostgreSQL on the back-end

HACK UPSTATE / INTERN

Syracuse, NY / June 2014 - May 2015

- Organize Hack Upstate's biannual hackathon in Syracuse, New York
- Lead partner relations with AT&T, collaborating to produce four virtual hackathons throughout the upstate New York region to date
- Lead developer of Hack Upstate's digital content and web presence
- Provide technical support to partners and attendees at all events

TWITTER / TECHNICAL PROGRAM MANAGER INTERN

San Francisco, CA / May 2014 - August 2014

- Lead cross-functional teams in Twitter's Consumer Product Engineering group to deliver strategic projects and programs in an Agile environment.
- Shipped two iterative feature improvements to Twitter Search for logged-out web users
- Established a program foundation for the restructuring of Twitter's experimentation framework
- Interfaced with Twitter's custom Scala stack and front-end framework

EVERNOTE / DEVELOPER RELATIONS INTERN

Redwood City, CA / May 2013 - August 2013

- Served as a project lead for the Evernote Devcup, crafting communications and digital content for an international developer competition with 570 participants
- Coordinated four developer events in the San Francisco Bay Area to promote the Evernote API

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RESEARCH & PROJECTS

NEXIS RESEARCH LAB

Syracuse, NY / January 2014 - Present

- Research and build web projects for the SU iSchool's student-powered research lab, including:
- **Drought in America** - a visualization of drought trends in the United States, built with D3 and R
- **Grov** - a visualization of Twitter networks at Syracuse University, using D3, Python, and Flask
- **Bulletin** - a news aggregator that finds content related to stories in a user's Pocket account

DATA BY THE LAKE

Syracuse, NY & Chicago, IL / January 2015 - April 2015

- Worked with Hyatt Hotels to analyze tens of millions of lines of company data to produce real-world business intelligence results
- Used R and Python (scikit-learn + Pandas) to apply machine learning algorithms to predict customer behavior and identify actionable differences in Hyatt brands across the globe
- Presented final report to Hyatt representatives in April 2015