

# Gabriel Ochoa

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## Experience

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### Bloomberg L.P.

New York, New York

#### Senior Software Engineer - Network Surveillance Automation

June 2016 - Present

- Designed/Implemented systems to automate network management and monitoring
- Worked alongside Network Design and Operation Engineers on the world's largest private network
- Implemented system for collecting client-defined metrics to verify state of deployed devices
- Created a django library to integrate our team's apps with Bloomberg SSO and Oauth2.0 Services
- Factd:
  - Lead Eng. on a persistent key/value store for configuration and state of 150k+ network devices
  - Ingests data (currently >1TB total) produced by other Network teams ( 60k POSTs / day)
  - Consumed by other Infrastructure teams ( 100k GETs / day)
- Mentored four full-time employees and one intern
- Assisted HR in interviewing for college and senior hire positions

### Software Engineering Intern - Vault

Summer 2015

- Designed, Tested and Implemented C++ and Java API for an Accumulo DataBase
- Used during ingestion to process/query over a 1 billion cloud stored xml files

## Education

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Binghamton University, State University of New York  
B.S. Computer Science

Binghamton, New York  
Sept 2012 - May 2016

## Skills

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**Programming languages:** Python, C++, Java, C, C#, Bash, Perl

**Frameworks:** Django/Flask, Unity, OpenGL

**Technologies:** MySQL/Postgres/SQLite, Git, SaltStack, Jenkins, Splunk, JIRA, L<sup>A</sup>T<sub>E</sub>X

**Human Languages:** English (Native), Korean(Inter.), Spanish(Elem.), Mandarin Chinese (Beginner)

## Personal Projects

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### Cosmos

An electronic platform for trading fake commodities contracts. C++, Sockets, GTest.

### Deceit - Best FOSS Hack

BrickHack Spring 2016

Webapp Card Game based on Dixit (the board game). Built with Python, Flask, and Reddit API.

### FriendWagon - Best Use of AWS Winner

BrickHack Spring 2015

"Uber for Road Trips". Using NodeJS, Spotify and Twilio API. Hosted on AWS.