

Gabriel Ochoa

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Experience

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
- Factd:
 - Lead Eng. on a persistent key/value store for configuration and state of 150k+ network devices
 - Integrated with Bloomberg SSO and OAuth2.0 Services
 - Consumed by other Infrastructure teams (100k GETs / day)
 - Ingests data (currently >1TB total) produced by other Network teams (60k POSTs / day)
- Network State Collection and Healthchecks:
 - Designed a system for collecting current state of deployed devices
 - Clients define what metrics to collect and intents of the devices
 - States are monitored for any deviation or desync from intents
- 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

Binghamton University, State University of New York

Binghamton, New York

B.S. Computer Science

Sept 2012 - May 2016

Skills

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

Frameworks: Django/Flask, Unity, OpenGL

Technologies: MySQL/Postgres/SQLite, Git, SaltStack, Jenkins, Splunk, JIRA, L^AT_EX

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

Personal Projects

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.