

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 2018 - Present*
- Lead Engineer on a fullstack persistent REST key/value store for configuration of network devices.
 - Ingests data produced by various network teams (~1.5 million POSTs / day, > 1TB Total)
 - Used by teams across infrastructure through GUI or API (~2 million GETs / day)
 - Improved on legacy design by switching to a "Datastore As A Service" model
 - Mentored four junior SWEs and one intern
 - Implemented systems to automate network management and monitoring
 - Worked alongside Network Engineers / NetOps on the world's largest private network
 - Developed architecture design and helped enforce SDLC standards across infrastructure
 - Designed a django library to integrate our team's apps with Bloomberg SSO and OAuth2.0 Services
 - Participated in on-campus recruiting and conducted interviews for college and senior positions
- Software Engineer - Network Orchestration Automation** *June 2016 - June 2018*
- Provided front line support and acted on feature requests from Network Design teams
 - Expanded our provisioning technology to standardize our stack and consolidate duplicated code
 - Modernized team's shared libraries by introducing use of pip and pypi to create packages
 - Originated team's use of jenkins for automated testing and linting checks.
 - Created a framework to allow NetEng to alarm on failed state/config of deployed devices
 - Built dashboards to display all deployed products, versions, and locations
- Software Engineering Intern - Vault - Financial Data Management** *Summer 2015*
- Researched, Tested and Implemented C++ and Java API for an Accumulo DataBase
 - Used during ingestion to process over a 1 billion cloud stored xml files
 - Reduced time of business report queries by a factor of 3
- Binghamton University, State University of New York** Binghamton, New York
Teaching Assistant CS140 - Programming with Objects *Fall 2013 & Spr 2014*
- Assisted ~150 students with Java lab assignments
 - Held weekly open office hours and 1-1 personalized tutoring
 - Topics include basic OOP and writing a GUI interpreter for assembly

Education

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- 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#, JavaScript, C, Bash, Perl
Frameworks / Libraries: Django/Flask, React, Unity, OpenGL
Technologies: MySQL/Postgres/SQLite, Git, SaltStack, Jenkins, Splunk, JIRA, L^AT_EX
Certifications: Splunk Fundamentals 1 and 2
Human Languages: English (Native), Korean(Inter.), Spanish(Elem.), Mandarin Chinese (Beginner)

Personal Projects

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- 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.