Gabriel Ochoa

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Experience

Bloomberg L.P.   New York, New York
Senior Software Engineer - Network Surveillance Automation   *June 2018 - Present*
- Designed/Implemented systems to automate network management and monitoring
- Worked alongside Network Operation Engineers on the world's largest private network
- Mentored four full-time employees and one intern
- Assisted HR in interviewing for college and senior hire positions
- Consulted on architechture design and helped enforce SDLC standards for sister teams
- Created a django library to integrate our team's apps with Bloomberg SSO and Oauth2.0 Services
- Lead Engineer on a persistent REST accessible key/value store for configuration of network devices.
  Ingests data produced by various network teams data (~1.5 million POSTs / day, > 1TB Total)
  Used by teams across infrastructure through GUI or API (~2 million GETs / day)

Software Engineer - Network Orchestration Automation   *June 2016 - June 2018*
- Collected and acted on design requirements from Network Design teams
- Expanded on our provisioning technology to modernize and standardize our stack
- Originated the team's use of pip and pypi to create shareable libraries and jenkins for testing
- Implemented system for collecting client-defined metrics to verify state of deployed devices
- Built dashboards to display all deployed products, versions, and locations

Software Engineering Intern - Vault   *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 students with Java lab assignments and held weekly office hours

Education

Binghamton University, State University of New York   Binghamton, New York
B.S. Computer Science   *Sept 2012 - May 2016*
- Minor: Mathematical Sciences

Skills

Programming languages: Python, C++, Java, C#, JavaScript, C, Bash, Perl
Frameworks / Libraries: Django/Flask, JQuery, Angular6, Unity, OpenGL
Technologies: MySQL/Postgres/SQLite, Git, SaltStack, Jenkins, Splunk, JIRA, LaTeX
Certifications: Splunk Fundamentals 1 and 2
Human Languages: English (Native), Korean(Inter.), Spanish(Elem.), Mandarin Chinese (Beginner)

Personal Projects

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.