

Gabriel Ochoa

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Experience

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| Bloomberg L.P. | New York, New York |
| Senior Software Engineer - Network Surveillance Automation | <i>June 2018 - Present</i> |
| <ul style="list-style-type: none">• 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)• 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 Operation Engineers 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 | <i>June 2016 - June 2018</i> |
| <ul style="list-style-type: none">• 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 | <i>Summer 2015</i> |
| <ul style="list-style-type: none">• 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 | <i>Fall 2013 & Spr 2014</i> |
| <ul style="list-style-type: none">• 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 | <i>Sept 2012 - May 2016</i> |

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, 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 | <i>BrickHack Spring 2016</i> |
| Webapp Card Game based on Dixit (the board game). Built with Python, Flask, and Reddit API. | |
| FriendWagon - Best Use of AWS Winner | <i>BrickHack Spring 2015</i> |
| "Uber for Road Trips". Using NodeJS, Spotify and Twilio API. Hosted on AWS. | |