Gabriel Ochoa

gochoa1@binghamton.edu • (914)-483-8190 • github.com/gabeochoa • linkedin.com/in/gabemochoa

Professional 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 Engineer on a persistent timeseries key/value json store
  - Used to store over 1TB of configuration and state for 150,000 network devices
  - Integrated with Bloomberg SSO and Oauth2.0 Services
  - Consumed by other Infrastructure teams (100k GETs / day)
  - Ingests data produced by other Network Automation 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 itents 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*

Course Assistant CS140 - Programming with Objects   *Fall 2013 & Spr 2014*
- Assisted students with lab projects and assignments.
- Skills - Java, Git, Eclipse

Skills & Interests

Programming languages: Python, C++, Java, C, C#, Bash, Perl
Technical Knowledge / Frameworks: Django/Flask, MySQL/Postgres/SQLite, Git, SaltStack, Jenkins, Splunk, JIRA, Unity, OpenGL, LaTeX
Human Languages: English (Native), Korean(Inter.), Spanish(Elem.), Mandarin Chinese (Beginner)

Personal Projects (ordered chronologically)

Cosmos

An electronic platform for trading fake commodities contracts
C++, POSIX Sockets, GTest, Travis CI, Markdown.

Deceit - Best FOSS Hack   *BrickHack Spr16*

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

FriendWagon - Best Use of AWS Winner   *BrickHack Spr. 2015*

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