

# Gary Lin

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## EDUCATION

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### Columbia University, Fu Foundation of Engineering and Applied Science

*Bachelors of Science in Computer Science*

New York, NY

Expected May 2017

**GPA:** 3.944/4.000 (Dean's List)

**Coursework:** Analysis of Algorithms, Operating Systems, Compilers, Databases, Computer Graphics, CS Theory, Advanced Programming in C, Data Structures, Computer Systems, Discrete Math

**Interests:** food, pickup basketball & NBA, policy debate, snowboarding, karaoke, tennis

**Skills:** Java, C, C++, Ruby on Rails, Javascript, Python, SQL, entrepreneurship, public speaking, project coordination

## PROFESSIONAL EXPERIENCE

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### Google[x] • Project Loon – Moonshot Factory

*Software Engineering Intern*

Mountain View, CA

May 2016 – present

- On the mission control team working on a performance pipeline that monitors and improves front end and backend services.
- Technologies: C++, AngularJS, protocol buffers, Google's cluster manager, and Google's BUILD files

### Columbia University – Ivy League University

*Teaching Assistant- Professor Jae Lee*

New York, NY

January 2014 – present

- Lead weekly review sessions and office hours for W3157: Advanced Programming in C. Head a grading team of TA's.

### Amazon – Electronic Commerce/Cloud Computing ◇ rnm.amazon.com

*Software Development Engineer Intern*

San Francisco, CA

June 2015 – August 2015

- Release Notes Manager [currently in production]- created an internal site that manages any team's Release Notes; created an API for it that allows for simple data retrieval and insertion; wrapped AUT's release scripts to completely automate their release process
- Technologies: Ruby on Rails, DynamoDB, REST API, Ruby Scripts, AmazonUI (frontend framework), Apache servers

### RetailNext – Data Technology Startup

*Big Data Engineer Intern*

San Jose, CA

June 2014 – August 2014

- Created an internal company tool – website that hosts different types of data manipulation python scripts to be used on very big data sets (upwards of 1 million rows); scripts include: error checking, data imputting, geolocation, aggregation

### Fundera – Financial Technology Startup

*Business Development Intern*

New York, NY

March 2014 – May 2014

- Business partner acquisitions; constructed a deck from product analysis of competitors and other vertical industries and market analysis of customers and respective industries; presented the deck to the executive team

## SELECTED PROJECTS

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### Bouncer – Columbia's DevFest Hackathon

Spring 2016

- Awarded: Best Use of Facebook APIs – peer-to-peer event check-in system that can help verify actual Facebook event attendance.
- Technologies: Flask, Bootstrap, Redis, Javascript w/ jQuery

### Kritikal Stats – Columbia University

2014 – 2015

- Website that aggregates high school debate data: showcases team & tournament results, nerdy statistics, and judge biases across 9,700+ sessions for over 1,000+ unique users.
- Technologies: Django, Apache servers, AWS EC2, REST API

### AmazonUI Doc Site Search 2.0 – Amazon's Internal Hackathon

Summer 2015

- Awarded: Biggest Dev Productivity Booster – features added: pagination, two more databases to search from with a result ranking algorithm, reformatted how results are displayed, user autonomy to select how many results shown per page
- Technologies: Javascript, Ruby on Rails, AmazonUI (frontend framework), Amazon internal databases

### VizNow – University of Michigan Hackathon

Fall 2014

- Data visualization tool that interprets uploaded data (tsv, csv, json) and displays responsive graphs, based on users choice
- Technologies: Django, D3.js, REST API, Bloomberg API, Uber API

## LEADERSHIP/ACTIVITIES

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### Columbia Organization of Rising Entrepreneurs ◇ [Operating Partner (February 2014 - present)]

- Helped grow organization to over 2,000 general membership (~300% increase) with 60+ events per semester
- Organized first ever “tech trek” to Silicon Valley; led 20 students and visited a16z, Accel, Dropbox, Facebook, Google, etc

**High School Speech and Debate** ◇ [Vice Pres. of Debate (12<sup>th</sup>, 300 students)] → 6<sup>th</sup> in the Nation & 3<sup>rd</sup> in California