

# Gary Lin

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## EDUCATION

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

New York, NY

Bachelors of Science in Computer Science ◇ Minor in Entrepreneurship and Innovation

Expected May 2017

**GPA:** 3.94/4.00 (Dean's List)

**Coursework:** Analysis of Algorithms [Fall 2015], Compilers [Fall 2015], Advanced Programming in C, CS Theory, Intro to Databases, Data Structures, Computer Systems, Discrete Math, Intro to Electrical Eng.

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

## PROFESSIONAL EXPERIENCE

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

San Francisco, CA

Software Development Engineer Intern

June 2015 – August 2015

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

### Columbia University – Ivy League University

New York, NY

Teaching Assistant- Professor Jae Lee, Professor Eugene Gorsky, & Professor Xiangwen Zhang

January 2014 – present

- Hold office hours and recitations for Advanced Programming in C (Fall 2015), Calc III (Spring 2015), Calc I (Spring 2014, Fall 2014)

### Structure-Function Imaging Laboratory – Research Lab

New York, NY

Research Assistant- Professor Christine P. Fleming Hendon

November 2013 – December 2014

- Research Topic: "Radio Frequency Ablation of Hearts" – collaborated with a graduate student; lab work and data collection/analysis

### RetailNext – Data Technology Startup

San Jose, CA

Big Data Engineer Intern

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

New York, NY

Business Development Intern

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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### Kritikal Stats – Columbia University ◇ kritikalstats.com

Summer 2014 – Present

- 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.
- I develop for the website, innovate new features to improve user experience, and supervise the overall growth of the site
- Technologies: Django, Apache servers, AWS EC2, REST API

### AmazonUI Doc Site Search 2.0 – Amazon 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

### Pattern Memory Game – Columbia University

Fall 2013

- Used an Arduino circuit board to create a real-time game that integrates pattern matching and an LED feedback interface. Developed in Arduino's native language to control the circuit board

## 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 ◇ [Roles: Vice Pres. of Debate (12<sup>th</sup>, 300 students); Policy Chair (11<sup>th</sup>)]

- Awards: 6<sup>th</sup> in the Nation (out of 212 qualified teams in the Nation); 3<sup>rd</sup> in California (out of 64 qualified teams in the State)