

# Robert Kim

robertkim.io | me@robertkim.io  
github.com/rkty13 | 201-803-1802

## Skills

### Languages:

- **Proficient** - Python, HTML, CSS, Java, JavaScript, SQL
- **Familiar** - C++, PHP, Bash, 6502 Assembly

### Technologies:

- **Proficient** - Flask, Git, Jinja2, JQuery, Bootstrap, MongoDB, SSH, SQLAlchemy, Sass, Nginx, Twilio API, Heroku, Sendgrid API, Node.js
- **Familiar** - Express.js, d3.js, Amazon EC2/S3, Android SDK, Zombie.js, Socket.io, Logisim

**Certification:** Cisco IT Essentials

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## Education

### New York University

Sep. 2016 - Present

Tandon School of Engineering

Pursuing B.S. in Computer Science, Class of 2020

### Relevant Coursework:

- Data Structures and Algorithms
- Calculus II for Engineers

### Bergen County Academies

Sep. 2012 - Jun. 2016

Academy for Technology and Computer Science  
Class of 2016

### Relevant Coursework:

- Data Structures
  - Linear Algebra and Differential Equations
  - AP Calculus AB
  - AP Computer Science A
  - Computer Security
  - Android App Development I, II, III
  - Java Programming
  - Python Programming
  - Processors I, II, III
  - Artificial Intelligence
  - Linux Shell Programming
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## Interests

- Clarinet
- Listening to Music
- Finance
- War Movies/Documentaries
- Building Computers

## Projects *See robertkim.io or github.com/rkty13 for more information.*

### matrox

Oct. 2016 - Present

- Linear algebra library currently capable of matrix operations, factorizations, and Gaussian elimination.
- **Uses:** Python

### hackBCA II/III Website

Jan. 2015 - Jun. 2016

- Website and backend staff tools for hackBCA.
- **Uses:** Flask, MongoDB, Twilio API, Sass, jQuery, Sendgrid API.

### PiGit *IronHacks (12 Hrs.) - 1<sup>st</sup> place overall*

Feb. 2015

- Local git server and interface hosted on Raspberry Pi for hackathons.
- **Uses:** Flask, Git, Raspberry Pi.

### FactsMeUp! *Breaking Barriers Hackathon (12 Hrs.)*

Aug. 2014

- Sends a text message of a randomly submitted fact.
- **Uses:** Flask, MongoDB, Twilio API.

### BBChat *Java Programming class*

Jun. 2014

- Chat application server and client built from scratch using Java.
  - **Uses:** Java Networking, Java Swing.
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## Experience

### Director of Technology for hackBCA

Dec. 2013 - Jun. 2016

- Board member in charge of the tech team for hackBCA.
- Designed and created the hackBCA II & III website with login/registration features as well as internal tools for staff/volunteers.
- Helped organize one of the largest annual high school hackathons.

### Software Engineering Intern at Medialets *Jun. 2015 - Aug. 2015*

- Created a dashboard for employees to view company statistics.
- Gained experience with data visualization using the d3.js library.
- Became proficient with SQL databases and using SQLAlchemy.
- Deployed the application on an Amazon EC2 instance using Ansible build scripts.

### Programming Intern at Perry Capital

Sep. 2015 - May 2016

- Worked with MSSQL Functions and Stored Procedures to get data for Form PF reports.
- Gained knowledge in the field of finance and investing.

### Web Development Intern at Black Lapel

Jul. 2014 - Aug. 2014

- Created redesigns and maintained legacy code of Black Lapel's website.
  - Became proficient with HTML, CSS, JavaScript, and web development practices.
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## Activities

### BCA Computer Security Team

Jan. 2015 - Jun. 2016

Competed in online cybersecurity competitions.

### USA Computing Olympiad

Dec. 2014 - Jun. 2016

Competed in the Silver division.

### American Computer Science League

Sep. 2014 - Jun. 2016

Participated in the international competitions in Denver and Orlando.

### National Honor Society

Apr. 2014 - Jun. 2016

Webmaster in charge of the BCA chapter's NHS website.

### NY Youth Symphony Chamber Program

Oct. 2012 - May 2016

1<sup>st</sup> chair B flat clarinetist in the Traumeri Youth Clarinet Ensemble.