

Robert Kim

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Skills

Languages:

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

Technologies:

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

Certification: Cisco IT Essentials

Education

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
- Java Programming
- Python Programming
- Processors
- Artificial Intelligence
- Linux Shell Programming

New York University

Sep. 2016 - Present
Tandon School of Engineering
B.S. in Computer Science Class of 2016

Relevant Coursework:

- Data Structures and Algorithms
 - Calculus II
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Interests

- Clarinet
- Listening to Music
- Finance
- World War II History
- Building Computers
- Video Games

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

hackBCA II/III Website

Jan. 2015 - Jun. 2016

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

Finode PennApps Fall 2015

Sept. 2015

- Graphical interface for viewing 25 years worth of financial stock data.
- **Uses:** d3.js, Flask, SQL

PiGit IronHacks - 1st place overall

Feb. 2015

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

The Clean Sleep HackRU Fall 2014

Oct. 2014

- Allows users to write reviews about the hotel cleanliness.
- **Uses:** Flask, MongoDB.

FactsMeUp! Breaking Barriers Hackathon

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

- Help organize one of the largest high school hackathons.
- Board member in charge of the tech team for hackBCA.
- Designed and created the hackBCA II website as well as internal tools for staff.

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

Sept. 2015 - May 2016

- Work with MSSQL Functions and Stored Procedures to get data for reports.
- Design reports using Visual Studio's Report Designer.

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

Compete in online cybersecurity competitions.

USA Computing Olympiad

Dec. 2014 - Jun. 2016

Currently competing in the Silver division.

American Computer Science League

Sept. 2014 - Jun. 2016

Participated in the international competitions in Denver, CO and Orlando, FL.

NY Youth Symphony Chamber Program

Oct. 2012 - May 2016

1st chair B flat clarinetist in the Traumerei Youth Clarinet Ensemble.

National Honor Society

Apr. 2014 - Jun. 2016

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