

# Sagar Garg

<http://sagargarg.io>

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## EDUCATION

### BERGEN COUNTY ACADEMIES

ACADEMY FOR ENGINEERING AND  
DESIGN TECHNOLOGY (AEDT)

Expected June 2016 | Hackensack, NJ

## COURSEWORK

### SECONDARY EDUCATION

AP Computer Science

AP Physics C

AP Calculus BC

AP Chemistry

Computer Integrated Manufacturing

Advanced Electrical Engineering

Introduction to Engineering Design I & II

### PROGRAMMING

Intro to Java

Intermediate Java

Intro to Python

Codecademy HTML/CSS

Codecademy JavaScript

Android Application Development

Web Application Development

## SKILLS

### CODING

Experienced:

HTML • CSS • Android

Intermediate:

Java • JavaScript • Unity • Python

Basic:

Chrome Extensions • PHP • IOS •  $\text{\LaTeX}$

### ENGINEERING

Arduino

Laser Cutting

3D Printing

Waterjet Cutting

Soldering

Computer Numerical Control Milling

### SOFTWARE

Autodesk Inventor/AutoCAD

Microsoft Office

Windows / Mac OS

Adobe Photoshop

## PROJECTS

### UNIT CONVERTER | PUBLISHED ANDROID APP

Oct 2014 – Mar 2015

A simple, smart, and easy way to convert units with a clean user interface. Features fast, real time conversion in a clean interface. Includes nine different units.

- Published on the Google Play Store and Amazon Appstore with 25,000+ downloads to date.

### BARBOT | HACKATHON PROJECT AT PENNAPPS WINTER 2015

Jan 2015

BarBot utilizes a combination of Android and Arduino to create a robot that stores your temptations and keeps you from taking too much. Each person gets a limited number of drinks, and once that limit is reached, BarBot does not let you take anymore. BarBot can automatically lift its cover using sonar data.

## EXPERIENCE

### MYREGISTRY LLC | WEB DEVELOPMENT INTERNSHIP

June 2015 – Expected June 2016 | Fort Lee, NJ

Worked closely with the development team to create responsive visually appealing sites that feature user-friendly design using HTML, CSS, JS, and JQuery.

### HACKBCA II | LOGISTICS

Fall 2014 – Mar 2015 | Hackensack, NJ

- Aided in organization for the second iteration of HackBCA, one of the first hackathons open to high school students
- Day-of logistics and photography
- Directed construction on trophies given to hackathon winners

### HACKENSACK UNIVERSITY MEDICAL CENTER | VOLUNTEER

June 2014 – Aug 2014 | Westwood, NJ | 25 Hours Volunteered

Learned about the business of a hospital, and was able to talk to several doctors regarding their experiences.

### LIBERTY SCIENCE CENTER | VOLUNTEER

May 2013 – Aug 2014 | Jersey City, NJ | 180 Hours Volunteered

Had a variety of tasks including helping kids and adults in exhibits, and being a Pocket Scientist, learning about STEM at the same time.

## EXTRACURRICULAR ACTIVITIES

### SOUTH ASIAN CLUB (SAC) | WEBMASTER

Sept 2012 – Present | Hackensack, NJ

Developed and currently maintain the website for South Asian club. The website's main function is to promote the club and give updates about future events.

### NATIONAL HONOR SOCIETY | MEMBER

Nov 2014 – Present | Hackensack, NJ

Member of National Honor Society.

### ALPHA LEO'S CLUB | CO-FOUNDER AND VICE-PRESIDENT

Sept 2014 – Present | Hackensack, NJ

Treasurer of Alpha LEO's club, which promotes service activities among the youth of the community.