

# Sagar Garg

<http://sagargarg.io>

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## OBJECTIVE

SEEKING INTERNSHIP AND CO-OP OPPORTUNITIES IN THE COMPUTER ENGINEERING FIELD.

## EDUCATION

### PURDUE UNIVERSITY

#### COMPUTER ENGINEERING (FYE)

Expected 2020 | West Lafayette, IN  
Cumulative GPA: 4.00

### BERGEN COUNTY ACADEMIES

#### ACADEMY FOR ENGINEERING AND DESIGN TECHNOLOGY (AEDT)

Graduated 2016 | Hackensack, NJ

## SKILLS

### CODING

Experienced:

HTML • CSS • Android Development

Intermediate:

Java • C • JavaScript • Python • Unity

Basic:

Chrome Extensions • PHP • IOS •  $\LaTeX$

### ENGINEERING

Arduino

Micro-controllers

3D Printing

Laser Cutting

Soldering

Circuit Design

Computer Integrated Manufacturing

Waterjet Cutting

CNC Milling

### SOFTWARE

Matlab

Autodesk Inventor

AutoCAD

Google Analytics

Microsoft Office Products

Windows / Mac OS

KiCAD

Adobe Photoshop

## INTERESTS

Going to Hackathons

Creating Websites and Apps

Playing Ultimate Frisbee and Tennis

## EXPERIENCE

### EPICS WISE | SLAC DESIGN LEAD

Jan 2017 – Present | West Lafayette, IN

Web-based Interactive Software Engineering focuses on developing interactive web-based software for the local community. SLAC is a project aimed at helping audiology students practice administering hearing tests using a web app.

### EPICS GAQT | ARDUINO WEB INTERFACE DESIGN LEAD

Aug 2016 – Dec 2016 | West Lafayette, IN

Global Air Quality Trekkers is a global engineering team that works to migrate indoor air pollution in kitchens of Western Kenya. Worked on the team website and satellite receiver that transfers data between the air quality device to the website.

### MYREGISTRY LLC | WEB DEVELOPMENT INTERNSHIP

May 2015 – July 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 HackBCA II, a high school hackathon
- Day-of logistics and photography
- Directed construction on trophies given to hackathon winners

## PROJECTS

### UNIT CONVERTER | PUBLISHED ANDROID APP

Nov 2014 – Feb 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 ten different units.

- Published on the Google Play Store with 35,000+ 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 in a box. BarBot can automatically lift its cover using sonar data a set number of times based on the limit of drinks. Includes a website to track data.

## EXTRACURRICULAR ACTIVITIES

### SOUTH ASIAN CLUB (SAC) | WEBMASTER

Sept 2012 – June 2016 | 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.

### 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.