

Sagar Garg

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OBJECTIVE

To obtain an internship involving Computer Science and Engineering.

EDUCATION

BERGEN COUNTY ACADEMIES

ACADEMY FOR ENGINEERING AND
DESIGN TECHNOLOGY (AEDT)

Expected June 2016 | Hackensack, NJ

COURSEWORK

SECONDARY EDUCATION

AP Calculus BC

AP Chemistry

Computer Integrated Manufacturing

Intermediate 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

SKILLS

CODING

Experienced:

HTML • CSS

Intermediate:

Java • JavaScript • Python • Android

Basic:

Chrome Extensions • PHP • IOS • \LaTeX

ENGINEERING

Laser Cutting

3D Printing

Waterjet Cutting

Computer Numerical Control Milling

Arduino

Soldering

SOFTWARE

Autodesk Inventor/AutoCAD

Flow Path/Flow Cut

Windows / Mac OS

Adobe Photoshop

Microsoft Office

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 eight different units.

- Unit converter is currently published on the Google Play Store and Amazon Appstore with 250+ downloads to date.

BARBOT | HACKATHON PROJECT AT PENNAPPS WINTER 2015

Jan 2015

BarBot utilizes a combination of Android and Arduino to create a magical box that stores your temptations and keeps you from simply 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. The Android app also keeps track of how much you have had.

TAB COUNTER | PUBLISHED CHROME EXTENSION

Feb 2015

Counts the number of currently opened browser tabs and windows.

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 | TREASURER

Sept 2014 – Present | Hackensack, NJ

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

EXPERIENCE

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.