Sagar Garg

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EDUCATION

PURDUE UNIVERSITY
First Year Engineering (CE)
Expected 2020 | West Lafayette, IN

BERGEN COUNTY ACADEMIES
Academy for Engineering and Design Technology (AEDT)
Graduated 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 Development
Intermediate:
Java • JavaScript • C • Python • Unity
Basic:
Chrome Extensions • PHP • IOS • LaTeX

ENGINEERING
Arduino
Laser Cutting
3D Printing
Waterjet Cutting
Soldering
Computer Numerical Control Milling

SOFTWARE
Autodesk Inventor/AutoCAD
Microsoft Office
Matlab
Windows / Mac OS
Adobe Photoshop

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 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
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 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 – 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.

NATIONAL HONOR SOCIETY | Member
Nov 2014 – June 2016 | Hackensack, NJ
Member of National Honor Society.

ALPHA LEO'S CLUB | Co-Founder and Vice-President
Sept 2014 – June 2016 | Hackensack, NJ
Treasurer of Alpha LEO's club, which promotes service activities among the youth of the community.