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 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

EPICS GAQT | Arduino Web Interface Design Lead
August 2016 – Present | West Lafayette, IN
Global Air Quality Trekkers is an global team that is working to identify and solve air quality challenges, e.g working to migrate indoor air pollution in kitchens of Western Kenya.

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.

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