Shubham Goyal

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Education:

- The Pennsylvania State University - Class of 2019
  - Intended Major: Bachelor of Science in Computer Science - 05/2019
  - Current GPA: 3.13 (Major GPA: 3.54)
  - Relevant courses taken/taking: OOP, Data Structures & Algorithms, Systems Programming, Digital Design, Computer Organization & Design, Security & Risk Analysis, Communication Networks, Operating Systems
- International School of Aberdeen - Class of 2015
  - Graduated with IB Diploma + US HS Honors Diploma - 06/2015

Industry Experience:

- Wavenet Solutions - Gurgaon, India (May - July 2017)
  - Interned with the Android division to design and build an app based solution for operating Philips HUE light bulbs.
  - Explored various libraries and APIs to design the app to be as efficient as possible by using fewer device resources.
  - Used android and java libraries to extract the dominant color as well as a range of vibrant and muted colors every half a second with self written algorithms to calculate the balance of colors for optimal lighting shades.
- Shell UKEP - Aberdeen, United Kingdom (June - July 2016)
  - Interned with the PCD CS-IT (Process control domain Control Systems-IT) team. Learnt about the network security of process control domain and industrial systems in a network in the process/oil & gas industry.
  - Updated the service pack and OS of various components offshore and communicated with the system vendors to obtain permission for end point remediation.
  - Assisted the team by scripting bash to allow event log collection by self-elevating the user as well as dynamically changing the store location of the event logs.
- Shell UKEP - Aberdeen, United Kingdom (July - August 2014)
  - Interacted & shadowed engineers of several disciplines to understand the industrial work environment and discover my interests.
  - Familiarized myself with technical drawings in O&G industry and their importance.
  - Analyzed the fugitive emissions from control valves against legal requirements.

Leadership &Volunteer:

- Resident Assistant (August 2017 - present)
  - Served as an adviser and mentor to 32 first year students. Utilized organizational and public speaking skills to host floor events and programs that educated residents, fostered a community and promoted team building.
  - Worked with other resident assistants to develop a successful community within the building.
  - Enforced university policy and developed mediation & conflict resolution skills through practice.

Skills & Projects:

- Skills: Software skills and competencies; Data Structures; C++; C; Java; HTML; XML; Linux; Microsoft Windows
- Projects
  - Color Extraction App in Android (using a video stored on the device, the app would play said video, and extract the dominant color of the frame, as well as the color palette in real time)
  - Resume Website in HTML (regularly update website with my profile and resume to generate my online presence with links to projects and current works)
  - Flight Scheduler in Java (GUI generated applet that implements database to add passengers, flights and dates as well see their respective statuses and delete them).
  - Guess the Number Game in Java (guess the number game with color changing window to indicate whether you're getting closer to or further from the number. It also generates warnings).
  - 2D Drawing App in Java (drawing application that allows you to draw several shapes with multiple drawing options).