SHUBHAM
GOYAL

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EDUCATION

Bachelor of Science | The Pennsylvania State University
CLASS OF 2019

- Major - Computer Science with a minor in Mathematics
- Current GPA: 3.13/4.00 (Major GPA: 3.54)

IB Diploma & HS Honors Diploma | International School of Aberdeen
CLASS OF 2015 - JUNE 2015

INDUSTRY EXPERIENCE

Android Dev Intern | Wavenet Solutions
MAY - JULY 2017
Built an app-based solution for operating Philips HUE lighting within the Android division. Product implemented various APIs and libraries for efficiency that requires minimal device resources. App extracts dominant as well as vibrant and muted colors from video frames to provide ambient lighting.

CS-IT Intern | Shell UKEP
MAY - JULY 2016
Collaborated with the CS-IT (Control Systems IT) team to gain current knowledge about network security in the process industry. Scripted in VBScript to perform event log collection by self elevation of user privileges as well as dynamically-changing save location of the event logs in offshore machines. Communicated directly with vendors to resolve unresponsive-equipment related issues.

LEADERSHIP & EMPLOYMENT

Grader - The Pennsylvania State University (January 2018 - present)

Resident Assistant - The Pennsylvania State University (August 2017 - present)

SKILLS

- Languages & OS: C, C++, Java, Python, Bash, HTML, Android + XML, Verilog, Linux, Windows.

- Concepts: Object Oriented Programming, Data Structures & Algorithms, Systems Programming, Security & Risk Analysis, Communication Networks, Operating Systems, Discrete Mathematics, Technical Communication, Computer Organization & Design, Analytics

PROJECTS

- Color Extraction App in Android
- Flight Scheduler in Java w/ Java DB
- Resume Website in HTML
- TCP & UDP Server + Client in Python
- Guess the Number Game in Java
- 2D Drawing App in Java
- File CRUD system in C
- Chess in C++