

# SHUBHAM GOYAL

100 Brumbaugh Hall, University Park, PA 16802  
(203) 219-0443  
sjg5530@psu.edu  
[www.linkedin.com/in/shubham-goyal](http://www.linkedin.com/in/shubham-goyal)  
[www.goyalshubham.com](http://www.goyalshubham.com)

## 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

### Summer Intern | Wavenet Solutions

MAY - JULY 2017

Interned with Android division to build an app based solution for operating Philips HUE lighting. Used various APIs and libraries to design an efficient app that uses minimal device resources. App extracts dominant as well as vibrant and muted colors from video frames to provide ambient light

### CS-IT Intern | Shell UKEP

MAY - JULY 2016

Interned with the CS-IT (Control Systems IT) team to learn about network security in the process industry. Scripted in VBScript to allow automatic event log collection by self elevation of user privileges as well as dynamically changing save location of the event logs in offshore machines.

## 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, 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 Communications, Computer Organization & Design

## PROJECTS

- ❖ Color Extraction App in Android
- ❖ Resume Website in HTML
- ❖ Flight Scheduler in Java
- ❖ Guess the Number Game in Java
- ❖ 2D Drawing App in Java
- ❖ File CRUD system in C