SHUBHAM GOYAL

113 MARTIN HALL,
UNIVERSITY PARK, PA 16802

✉ SHUBHAM@PSU.EDU

📱 (203) 219-0443

🐙 SHUBHAMG97

in SHUBHAM-GOYAL

🔗 GOYALSHUBHAM.COM

EDUCATION

THE PENNSYLVANIA STATE UNIVERSITY
B.S. COMPUTER SCIENCE
Minor: MATHEMATICS
GPA: 3.12 (Major GPA: 3.64)
Expected Graduation: MAY 2019

LANGUAGES & SKILLS

HTML + CSS
C++
Java
C
Python

TOOLS: Android Studio, Docker, SQL, MongoDB + JSON

RELEVANT COURSEWORK

Data Structures & Algorithms, Operating Systems, Computer & Network Security, Communication Networks, Technical Communication, Computer Organization & Design, Software Design Methodology, Security & Risk Analysis, Systems Programming

AWARDS & ORGANIZATIONS

Dean's List: FALL 2017
Member of PSU Chapter of ACM

WORK EXPERIENCE

QATAR COMPUTING RESEARCH INSTITUTE – RESEARCH INTERN
MAY 2018 – JULY 2018

- Researched squatting domains with the cyber security team and developed several python programs to identify the top 1 million Alexa domains, gather their metadata, and sort them into specific dedicated Mongo collections.
- Used cronjobs to run the programs daily and wrote an algorithm to monitor and examine the health of the domains.
- Presented the back-end information to the user using a REST API to query the data, with a user friendly front-end design.

WAVENET SOLUTIONS – ANDROID DEV INTERN
MAY 2017 – JULY 2017

- Built an app-based solution for operating Philips HUE lighting with 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 twice a second to provide ambient lighting.

SHELL UKEP – CONTROL SYSTEMS IT INTERN
MAY 2017 – JULY 2017

- Collaborated with the CS-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.

PENNSYLVANIA STATE UNIVERSITY – LEARNING ASSISTANT
JULY 2018 - PRESENT

PENNSYLVANIA STATE UNIVERSITY – GRADER
JANUARY 2018 – JULY 2018

PENNSYLVANIA STATE UNIVERSITY – RESIDENT ASSISTANT
AUGUST 2017 – PRESENT

PROJECTS

- DOMAIN MONITORING TOOL (PYTHON)
- COLOR EXTRACTION APP (ANDROID)
- FLIGHT SCHEDULER DMS (JAVA & DERBY DB)
- 2D DRAWING APPLET (JAVA)
- FILE CRUD DRIVER SYSTEM (C)
- WEB SERVER & PROXY SERVER (PYTHON)