

Sahil Ahluwalia

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sahluwalia17.github.io (Personal Website)

LinkedIn



Education:

Purdue University, West Lafayette, IN | B.S. in Computer Science (GPA: 3.43)

May 2021

Archbishop Mitty High School, San Jose, California

May 2017

Relevant Experience:

ShiftLeft Inc, Software Intern, Santa Clara, California

June 2018-August 2018

- Worked as a member of the Runtime Infrastructure team to establish the current test automation framework and develop critical product features through Go and Python
- Utilized Docker, Protocol Buffers, bash scripting, gRPC and the Github Pipeline

ShieldX Networks, Software Intern, San Jose, California

June 2016-August 2016

- Developed a Python command line interface that interacted with the ShieldX API
- Worked with regular expressions, JSON parsing, authorization functions, and the requests module
- Established the interface through usage of modules cmd2 and Clint

Developed Walldrop (Personal)

February 2018

- Constructed an application that prompts the user to login, collects the user's top tracks and retrieves the album cover for each of the tracks to stitch together a unique wallpaper
- Worked with the Spotify API and the Python module PIL to stitch together images

Developed the NBA-CLI (Personal)

January 2018

- Developed a Python command line interface that allows user to check live NBA scores, box scores, and team standings from their computer's command prompt
- Utilized cmd2, py2exe, and the design approach of the ShieldX internship project
- Crucial feature was the extensive web scraping that was performed through the module BeautifulSoup 4

Purdue EPICS EVEI Webmaster

August 2017 – December 2017

- Elected to completely redesign the website for the EPICS EVEI program at Purdue
- Created a professional UI that featured information regarding each team of the program, pictures of every member, and an overview of the entirety of the program itself

President of the Stock Market Club:

August 2016-May 2017

- Recruited 180 new student members to the club and hosted the Stock Market Competition
- Gained a lot of leadership experience and developed an expertise in dealing with logistics such as managing the budget, directing meetings, delegating work, and generating a social media presence

Languages

- Java: AP Computer Science (high school), Prob Solving & O-O Programming (CS18000), Foundations of Computer Science (CS 18200), Data Structures and Algorithms (CS 25100)
- Python: Shiftleft Internship, ShieldX Internship, NBA CLI project, WallDrop
- Golang: Shiftleft Internship
- C/C++: Programming in C (CS 24000)
- Android Programming: Spotcon (information can be found on personal website)
- HTML/CSS: Purdue EVEI Webmaster - <https://epics.ecn.purdue.edu/evei/>, Personal website

Honors and Awards

- Shiftleft All-Star Intern Award July 2018
- Principal's Honor Roll 2015-2017
- AP Scholar with Distinction Award 2017
- California Scholarship Federation/National Honor Society 2014-2017
- St. Francis of Assisi Award for Volunteering 2015