

ABHINAV SINGH

California Polytechnic State University '19
Bachelor of Science in Computer Science

ABOUT ME



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github.com/GreenSkies



greenskies.github.io

SKILLS

Java

C

Python

Android Dev

HTML/CSS

JavaScript

Go

COURSEWORK

Systems Programming

Algorithms & Data Structures

Artificial Intelligence

Ethical Hacking

Computer Architecture

EXPERIENCE

Hackathons
Member

10/2013 - Present

- Google Games (1st Place), HackingEDU, Cal Hacks, Outside Hacks, Hackerrank Competitions
- Built new and innovative applications
- Gained valuable experience in team building, new project ideas, and general programming

Pactron Inc.
Software Engineering Intern

06/2015 - 08/2015

- Created executable desktop applications that were used to read files into the company's centralized ERP system
- Worked with an EVK-1105 micro controller board as a side project to develop small games and effects on a piece of hardware
- Participated in all phases of the software development cycle as well as demonstrated knowledge of the Java programming language

PROJECTS

Online Webterminal Website
Javascript & HTML/CSS

- A new form of a personal website designed to mimic a unix terminal
- The website uses javascript libraries such as termLib to set up an online terminal with pre-built commands
- Functions as a innovative new personal website, still under development. Check it out here: <https://greenskies.github.io/Online-Terminal-Website/>

Weatherly
Android application

- Developed in assistance with the Udacity course, but has some unique touches
- Use of Android API's and java to power the functionality of the program
- SQL is used to grab data about local weather.

Webserver
Network /C Programming

- Basic webserver to process requests such as GET, HEAD, as well as offer cgi-like support
- Combination of C programming to handle requests and socket/network programming to set up the server
- Program uses several system calls, pipes, signals, and multiple processes to handle requests

Animal Guesser
C Program

- Program to guess the animal you're thinking about, data base is set up as a tree that uses preorder traversal to retrieve items from the database
- As the game continues, it expands the database upon every lose to get "smarter"

Retro Text Editor
Java Program

- Java based text editor implemented using Java swing
- A new type of text editor that mixes in modern features with a rustic look, rustic yet modern