



# ABHINAV SINGH


California Polytechnic State University '19

Bachelor of Science in Computer Science

## ABOUT

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 /GreenSkies

## SKILLS

Java  
C  
Python  
Android Dev  
HTML/CSS

## APPLICATIONS

Adobe Indesign  
Adobe Photoshop  
Microsoft Excel  
Microsoft Word

## ENVIRONMENTS

Unix  
Linux  
Windows/Mac

## HONORS

National Honor Society  
Dean's List College of  
Engineering  
President's Volunteer  
Award

## OBJECTIVE

To pursue an internship that will enable me to leverage my experiences in programming to further develop my career and create amazing projects



## WORK EXPERIENCE

Hackathons  
Member

10/2013 - Present

- Google Games (1<sup>st</sup> 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.

06/2015 - 08/2015

Software Engineering Intern

- Created executable desktop applications that were used to read files into the company's centralized ERP system
- Became one of the first high school interns at the company
- 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

Personal Website

Website: <http://GreenSkies.github.io>

- My own personal website to publish my work, resume, projects, and other such items.
- Made using HTML/CSS, some styles used from Google APIs

MapleSilver

Private MapleStory Server

- A private MapleStory server designed and currently one of the top servers on gtop100.com
- Client was developed in Java and the website, maplesilver.net, was done using Javascript
- Java is used to keep the game up to date, host events, and fix bugs with the NPC characters

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 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