Scotty Singh

✉ asingh06@cs.washington.edu
☎ (425) 381-7430
in linkedin.com/in/scottysingh
○ github.com/ScottyS06

EDUCATION

University of Washington, Seattle, WA

B.S. in Computer Science
GPA: 3.93
Expected Graduation: June 2023

Relevant Coursework:
- Programming with Data Structures (CSE 143)
- Foundations of Computing I (CSE 311)
- Software Design & Implementation (CSE 331)

North Creek High School, Bothell, WA

Class of 2020 Valedictorian
GPA: 4.0

EXPERIENCE

UW Aeronautics & Astronautics CubeSat Team

Imaging Subsystem Software Programmer

November 2020 - Present

- Configured hardware elements of the imaging payload including Arduino Mega, flight computer, and ucam-III.

- Engineered automated testing code in Arduino, allowing higher-level teams to ensure compatibility with the main satellite.

Red Cross

International Humanitarian Law Youth Leader

June 2019 - July 2020

- Managed group of 20 youth Red Cross members.

- Coordinated a multi-media campaign to spread awareness on global issues surrounding International Humanitarian Law.

- Reported to Northwest Red Cross regional coordinator, providing community engagement metrics and analysis.

PROJECTS

ToDoList

- Created ToDoList App with customizable lists and integrated MongoDB Atlas to store user-generated tasks.

- Programmed page routing with ExpressJS and outlined frontend design with HTML/CSS and EJS templating.

WeatherApp

- Constructed web application using NodeJS and OpenWeatherAPI. Allowed user to query a location and returned the corresponding weather information.

- Designed user-interface with HTML/CSS and Bootstrap.

InstaBot

- Built an Instagram Bot using the Selenium library in Python.

- Client can log in, get a list of their followers and of the people they are following, and also comment and like images of other users.

RecycleAI

- Developed an AI image detection model using Python's TensorFlow library to help individuals sort daily waste.

- Architected a frontend layout to allow users to upload photos from an electronic device.

SKILLS

Programming Languages:

- Python, JavaScript, JAVA, HTML/CSS, Arduino, MongoDB, SQL

Frameworks:

- Node, Express, Flask, React, Bootstrap, TensorFlow, Pandas