VIDISHA GUPTA

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EDUCATION

University of Washington, Seattle   September 2020 - June 2024 (expected)
Bachelor of Science in Computer Science, Minor in Mathematics   GPA: 3.86/4.0

Relevant Coursework

Data Structures and Parallelism, Software Design and Implementation, Foundations of Computing I/II, System and Software Tools. Upcoming: Hardware/Software Interface

SKILLS

Languages: Java, Python, JavaScript, TypeScript, HTML/CSS
Technologies/Frameworks: React, JUnit, Linux, Git, Heroku, Bootstrap CSS

PROJECTS

Donation Buddy: SWEHacks Winner | *Google Maps Javascript APIs, React, Bootstrap*   April 2021
- Developed a web app using Google Maps Javascript API, Google Place API, and Geocoding API that streamlines the donation process for items that people have in excess to reduce waste.
- Wrote algorithm for API calls and filtering/selection logic and built frontend using React and Bootstrap.
- Won the "community" track of the SWEHacks 2021: ways one could make a positive impact on their community.

UW Campus Map Webapp | *Java, React, TypeScript, Spark Java*   March 2021
- Created a web app that routes users between 50+ buildings on the UW campus using Dijkstra's shortest path algorithm on 5500+ data points.
- Built the server layer using Spark Java and built frontend using React and TypeScript.

Spotify Phrase Playlist Generator | *Python, Flask, Heroku, Bootstrap*   December 2020
- Worked in a team of three to create an application that generates a Spotify playlist where each song title is a word from the inputted phrase.
- Developed server tier using Flask and Python to make API calls and authenticate users.
- Deployed live site using Heroku.

EXPERIENCE

Lakeside School   June 2018 – August 2018
Research Intern
- Conducted a statistical analysis of trends in 317 avalanche mortalities from 2009-2018 in the US based on party size, travel method, and avalanche danger rating using data from the Colorado Avalanche Information Center.
- Presented work at Northwest Snow and Avalanche Workshop in Seattle, WA in October 2018.

LEADERSHIP & AWARDS

Association for Computing Machinery (ACM)   November 2020 – Present
Social Events Coordinator, Executive Board   May 2021 – Present
- Co-lead the planning and execution of Allen School quarterly department-wide social events.

Associate Officer   November 2020 – May 2021
- Led and organized social events such as Werewolf, Speed Friending, and Game Nights.
- Provided academic and career support to students through registration/coursework advice events.
- Worked closely with treasurer to ensure that event prizing was equitable and within budget.

National Center for Women in Information & Technology   February 2020
Award for Aspirations in Computing, Western WA Affiliate
- Selected based on aptitude and aspirations in technology and computing, demonstrated through computing experience, computing-related activities, and leadership experience.