Anika Sood

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EDUCATION

BS Computer Science | University of California, Riverside   *09/2021 - 06/2025*

- Relevant coursework: Data Structures & Algorithms, Software Construction, Assembly Language, Discrete Structures, Calculus, Linear Algebra, Data Analysis, Automata Theory

TECHNICAL SKILLS

Languages: C++, Java, C, Python, JavaScript | *Tools*: Git, XCode, VS Code

EXPERIENCE

Software Engineering Intern – Pyrames, Cupertino, CA   *06/2023-09/2023*

- Designed python scripts to automate data organization and cleaning processes to ensure consistent data formatting
- Utilized data manipulation libraries like pandas, numpy, and dataframes to visualize and analyze datasets comparing blood pressure measurements

Assistant Manager/Coding Instructor - Code Ninjas, San Diego, CA   *06/2021 – 09/2022*

- Developed and taught personalized curriculum in Java, Python, and Scratch for private sessions
- Instructed six weekly coding camps for 60 students in Python, Minecraft Modifications, & Scratch
- Engaged with parents and led center operations, guiding a team of instructors

Software Engineering Intern - San Diego County Engineering Council, San Diego, CA   *04/2020 – 09/2020*

- Led design intake meetings with 20 people on the SDCEC leadership team
- Rebuilt the SDCEC website based on user pain points, gaining 90% user satisfaction

PROJECTS

File Organization System | JavaScript, Google App Script

- Created a JavaScript program to organize files in desired hierarchical order and automated the process for copying files, creating folders, and searching documents on Google Drive

RPG Game | C++, Valgrind, Googletest

- Built a text-based role-playing game. Implemented composite design pattern, and scrum project management. Tested and optimized application with Googletest submodule and Valgrind

Shopping Application | Java, Eclipse WindowBuilder

- Developed full stack application inspired by Amazon to stimulate a shopping experience where users can search, sort, and add items to cart
- Implemented Java GUI, searching and sorting algorithms, and data structures to optimize user experience

PROFESSIONAL AFFILIATIONS + LEADERSHIP

Treasurer - Society of Women in Engineering, Riverside, CA   *06/2022– Present*

- Create budgets, manage sponsorships, and track revenue though the year and handle all finances for SWE

Founder & President - She Can Code (SCC), San Diego, CA   *03/2019-06/2022*

- Founded initiative to inspire/teach Computer Science to younger students and bridge the gender gap in CS
- Developed simple to learn curricula (Python, Scratch, and C) to teach 150+ global students (4th-12th grade) through virtual camps, workshops, and hackathons
- Added repositories of training, reference materials, and stories of inspirational women engineers to SCC site

President - Girls in Computer Science, San Diego, CA   *06/2019– 06/2021*

- Directed a team of 30 members at Del Norte high school and guided weekly meetings
- Lead leadership team of 6 students to ensure club organization
- Trained club members to tutor at coding events for 100+ girls interested in Computer Science