SCAI Volunteer Application Package 2024

SCAI Workshop: Desert CodeSprouts Workshop

What are the SCAI workshops?
- SCAI is a school in ASU Ira A. Fulton Schools of Engineering. We orchestrate and create computer science workshops tailored for middle school-aged girls and other underrepresented youth in the field of Computer Science.

Getting involved with SCAI workshops
- SCAI workshops are recruiting volunteers to join our team! We are looking for individuals who are excited to share their passion for Computer Science and technology. Currently, we are seeking support in two different areas: Workshop Activity Instructors and Workshop Group Leaders. Below are the position descriptions, responsibilities, and qualifications for roles.
- As thanks, all volunteers will have access to various volunteer programming, events, and goods, as well as additional online resources made for the workshop.

General Requirements
- Applicants MUST be current ASU students, preferably in a Computer Science major or intending to specialize in a Computer Science major. Computer Science majors include: B.Sc. in CS majors/honors or CS combined majors/honors, B.A. In CS, BCS, COGS (Computational Intelligence and Design stream), BUCS. However, volunteers of other majors are also welcome and encouraged.
- Applicants must be willing to complete a criminal record check and get fingerprint clearance if selected as a volunteer who will be working directly with kids.

How to apply:
- Here is the link to our application form. You are able to select one or multiple roles to apply to. Applications will be open until **Sunday March 17th, 2024**. If you have any questions regarding SCAI workshops and/or the application process, please feel free to email us at tmwils13@asu.edu.

Workshop Activity Instructor

Position Description
- SCAI workshops are developing workshops for middle school aged youth, often targeted toward those from underrepresented groups. Curriculum size, target age, and content can vary, and topics may include 'Introduction to Machine Learning', 'Cybersecurity', 'User Interface Design' and 'Programming', and combine hands-on individual and group activities and conceptual learning.
- As a Workshop Activity Instructor, you will be assigned to a team that will be tasked with preparing to teach one workshop module in May. This will involve learning the module goals and activity plans as well as studying the provided learning material, such as slides, handouts, videos, diagrams, learning activities and anything else that might be necessary. You will be working closely with the SCAI workshops coordinators, and your

team will have control over the direction of the learning material you develop. Access to all relevant software will be provided by SCAI workshops if necessary. This is a great opportunity to develop your creative skills and build your portfolio in a fun, collaborative environment!

- Time Commitment: Roughly 2- 4 hours a week for weeks leading up to workshop practices and the workshop itself

Responsibilities

- Design learning material based on design documentation provided by coordinators - Broad responsibilities: creating lesson plans given teaching resources, powerpoints and teaching materials for workshops.

Qualifications

- Strong written and/or visual communication skills
- General creative skills and an attention to detail
- Experience with any related software, such as Powerpoint, Google products
- At least basic understanding of CS fundamentals and concepts
- A passion for CS and technology, or any related area and a passion for teaching and interacting with students
- Recommended: Teaching or volunteer experience in any capacity

Workshop Group Leader

Position Description

- SCAI workshops are developing workshops for middle school aged youth, often targeted toward those from underrepresented groups. Curriculum size, target age, and content can vary, and topics may include 'Introduction to Machine Learning', 'Cybersecurity', 'User Interface Design' and 'Programming', and combine hands-on individual and group activities and conceptual learning.
- Contributing as a Workshop Group Leader is a great opportunity to share your passion for computer science and technology by working directly with SCAI workshop program participants. Teaching and leading activities with the kids can be very encouraging and rewarding, both as a leader and for the kids as well. This is a great way to develop your teamwork, leadership, and communication skills in a fun and welcoming environment while helping inspire and teach future students!

- Time Commitment: 1-2 hours/week during non-workshop weeks, 6-8 hours/week leading up to a workshop (typically a half-day or full-day commitment for workshop days)

Responsibilities

- Assisting in workshop delivery by:
    - Helping set-up and clean-up workshop materials and environments
    - Leading various games and activities with the students
    - Supporting students throughout the workshop by answering questions, facilitating group discussions, and helping them follow along with workshop activities - Be a positive role model and ambassador of computer science and technology!

Qualifications
- Understanding of basic CS fundamentals/concepts (do not need any advanced knowledge; any beginner/intermediate introduction to CS is fine)
- Leadership and/or teaching experience in any capacity
- Experience working with kids
- A passion for CS and technology, or any related area

We gratefully acknowledge the inspiration and foundational ideas derived from the GirlSmart4Tech workshop, which have been instrumental in shaping the development of our program. [Link to Girlsmarts4tech](#)