

# ADAHACKS V



April 21, 2024  
Saint Francis High School,  
Mountain View

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# Welcome

Hello and welcome to AdaHacks VI! We are so happy and proud to have you at this event, which will be filled with friendship, coding, and fun! AdaHacks was founded by the board of the Saint Francis High School Girls Who Code Club with the aim of reducing the gender gap in the technology field. Women make up only 20% of computer science majors (<https://nces.nsf.gov/pubs/nsf21321/table/5-1>) & only 28.8% (<https://anitab.org/resources/case-studies-and-whitepapers/>) of the technology industry. Through a collaborative all-female environment, our goal is to encourage young women to follow their passions for STEM. We are inspired by female trailblazers in STEM, so we named our event after Ada Lovelace, the first computer programmer. We thank all of our sponsors for believing in this cause, as well as all of you for spending time with us at this event.

Today will be primarily filled with time to code a project with your team that addresses a problem fitting a division theme. There will be free swag, food, different prizes, multiple workshops, and women who will speak about their experiences in the technology industry. We hope you enjoy learning more about programming as you collaboratively design websites & applications, and enjoy AdaHacks VI!

~ AdaHacks V Team

# Schedule

TIME	EVENT	LOCATION
7:30 - 8:00 a.m.	Hacker Registration	Innovation Center Entrances by Gathering Stair & Innovation Theater (Pop-up Lancer tents)
7:30 - 9:00 a.m.	Breakfast Served	Serve: Alcove next to Gathering Stair Eat: Quad
8:00 - 8:15 a.m.	Opening Ceremony	Gathering Stair
8:15 - 8:45 a.m.	Team Mixer	Gathering Stair
8:45 a.m.	Hacking Begins	Workspaces: Rooms 1103-1108
9:00 - 10:00 a.m.	Workshop #1: Web Development	Rm 1103
10:15 - 11:15 a.m.	Workshop #2: Android Development	Rm 1103
11:30 - 1:00 p.m.	Lunch Served	Serve: Alcove next to Gathering Stair Eat: Quad
1:30-2:30	IFSA Scavenger Hunt	Innovation Center (Multiple Stations)
1:30-2:30	Women in STEM Tech Activity	Rm 1110
2:30 -4:30 p.m.	Snack Served	Serve: Alcove next to Gathering Stair Eat: Quad
3:00 - 4:00 p.m.	Women-in-Tech Panel	Innovation Theater
4:55 p.m.	Hacking Concludes (Code Freeze)	Gathering Stair
5:25 p.m.	Submissions Due	Gathering Stair
5:30 -7:00 p.m.	Dinner Served	Serve: Alcove next to Gathering Stair Eat: Quad
5:30 - 7:00 p.m.	Team Presentations	Division 1: Rm 1103 Division 2: Rm 1108
5:30 - 7:00 p.m.	Code Check	Rm 1110
7:00 - 7:30 p.m.	Crash Course in Landing an Internship	Innovation Theater
7:30 - 8:00 p.m.	Awards & Closing Ceremony	Innovation Theater

# Prizes

For each division, we will be offering prizes for 1st and 2nd place teams. Teams will be receiving hoverboards (first place) OR \$50 Amazon gift cards (second place). Each member of the team will be receiving the prize.

*Creativity will be rewarded, so think out of the box!!!*

## AdaHacks V Partners



# AdaHacks V Rules

## General Rules:

- Teams can be made of 1 to 4 people.
  - Please discuss with facilitators if you would like to have additional people participate in your group. Please note that no prizes will be given to extra team members.
- You must be present at the Closing Ceremony to receive a prize.
- Reusing code from other projects or hackathons is not allowed.
- All team members should be present at the event.
- Teams are allowed to use libraries, frameworks, open-source code, or ChatGPT (list the prompts) in their projects, as long as such sources are properly cited.
- Adding new features to existing projects is allowed. It must be clear what code you have added for this hackathon.
- Teams must stop hacking once time is up.

## Presentation Rules:

- Presentation Requirements:
  - Each group will receive 5 minutes (1-minute set-up + 3-minute pitch + 1-minute project demo).
  - Each group will present in front of everyone with a slideshow (required).
- Slideshow Requirements:
  - Name of the team and members
  - What problem is your project solving?
  - What does your app or website do?
  - Screenshots or demo of the user interface & code

# Submitting Your Project + Judging

## How to Submit your Project:

- How to Turn in Your Code:
  - Submit your completed projects to our DevPost using the following link: <https://adahacksv.devpost.com/> by **5:25 PM**.
  - Submissions should be titled using this format: 'Team Name - Project Name'
- How to Turn in your Slideshow:
  - Send your slideshow to [girlswhocode@sfhs.com](mailto:girlswhocode@sfhs.com) during the submission period by **5:25 PM**.

## Judging

- Judges will score your project on a scale of 1 to 5 in the following categories:
  - Practicality & Usefulness
  - Technical Difficulty & Skill Level
  - Usability & User Experience
  - Originality & Creativity
  - Presentation & Demonstration

# Frequently Asked Questions

## 1. What do I do if I haven't coded before?

Don't worry if this is your first hackathon, or even your first time coding! We have mentors that can assist you with your projects and provide advice during coding sessions. Also, we have workshops during the hackathon to introduce you to app and website development!

## 2. Which platform should we code our project on?

You may use whatever platform you'd like to code your project. For web development, you can use repl.it, Sublime, Atom, TextWrangler, etc. For Android development, you can use Android Studio, ReactNative, or AIDE. For iOS development, you will need a Mac so that you can use Xcode & Swift. However, please make sure you can convert your project to a file that will be accepted by our submission website (DevPost) when you export it.

\*Note: You are welcome to code in iOS, but there will be no mentor support for it.

## 3. What happens if my team doesn't finish in time?

We understand that it can be hard to create a complete project in such a short amount of time, so don't worry if your project isn't fully finished. However, it's best to make sure you have a prototype of your project completed and know what it would look like in its final stages.

# Coding Resources

- Web Development (HTML, CSS, and JavaScript)
  - <https://codyhouse.co/>
  - <https://css-tricks.com/>
  - <https://www.w3schools.com/html/>
  - <https://www.tutorialspoint.com/html/index.htm>
  - <https://www.codecademy.com>
  - <https://www.khanacademy.org/computing/computer-programming/html-css>
- App Development (iOS, Android)
  - <https://codewithchris.com/xcode-tutorial/>
  - <https://www.raywenderlich.com/>
  - <https://nsscreencast.com/episodes>
  - <http://www.codingexplorer.com/>
  - <https://developer.android.com/index.html>
  - <https://www.codementor.io/collections/learn-android-development-bwba0mle>
  - <http://appinventor.mit.edu/explore/index-2.html>
  - <https://thinkable.com/#/>
- Extra Resources, Brainstorming & Articles
  - <https://www.entrepreneur.com/article/278369>
  - <https://guides.github.com>