NATIONAL ENGINEERS WEEK 2022
Software Engineering

Learn more about Software Engineering and how software engineers impact our world. **START EXPLORING HERE!**

MEET OUR INDUSTRY EXPERT

1

ANDRES VINUEZA
Senior iOS Developer >> Visible

Click on the green gear to view our expert's video and to learn more about Software Engineering. Andres' work focuses on mobile development with both Android & iPhone Operating Systems (iOS) platforms. He has been an active member of the Society of Hispanic Professional Engineers (SHPE) *since 2013.*

View NAF's Engineers Week playlist

2

STRETCH YOUR LEARNING

EXPAND your engineering knowledge and capacity:

- Learn a new computer science skill with a tutorial at freeCodeCamp.
- Participate in a Hackathon, a computer science challenge.
- Design an app with a wireframe (no code necessary).
- Complete the Innovation Challenge below. ↓

3

COMPLETE THE CHALLENGE TO WIN

SHARE FOR A CHANCE TO WIN $100

Before 3/31/22, share the URL of your completed project presentation HERE!

SHOWCASE YOUR PROJECT

Check out NAF's Showcase Choice Board on the next page for presentation ideas.

ACCEPT THE INNOVATION CHALLENGE

Deepen your learning by innovating for a project solution. Check out the challenge details on the next page.

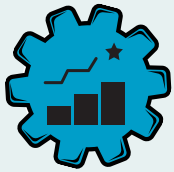**IMPACT SURVEY FOR EDUCATORS:** *Scan or click the QR code to share your feedback and for a chance to win $100.*

ACCEPT THE INNOVATION CHALLENGE

STEP 1: Choose one of the following to remix, share, and test with peers, friends, or family:

1. a lesson on Replit
2. an activity on Code.org
3. a game on Code.org's Game Lab

STEP 2: Once you modify (or create) your lesson, activity, game, or code, share and test it with others, get their feedback, and make improvements. Next, showcase your learning journey!

SHOWCASE YOUR CHALLENGE PROJECT

Bring your project to life by sharing your learning with a global audience! Present your learning journey using the Showcase Choice Board below. Then, generate a URL to share with your class, a mentor, an industry partner, and NAF!

Choice 1: Create a YouTube video to detail your learning through the project challenge.

Choice 2: Create a blog or a social media campaign to highlight your project and learning journey.

Choice 3: Create a career-readiness digital portfolio to showcase your project and learning journey using Bulb or Google Slides.

Choice 4: Code or create a simple webpage to showcase your project. Consider Replit or Wix.
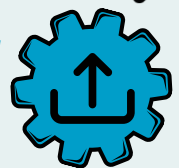
Photo Credit: Disney

Meet Lanny Smoot, a Walt Disney Imagineer! He has 100 U.S. patents, and is considered "one of the most prolific Black inventors in American history." He strives to inspire Black youth to chase STEM careers.

Choice 5: Produce a PechaKucha (a 400-second visual story) to showcase your project and learning journey.

Choice 6: Showcase your project in a format of your choosing.

SHARE THE URL OF YOUR PROJECT SHOWCASE

Scan or click the QR code to complete the submission form and for a chance to win a $100 gift card for you AND your educator.

For more information, please contact Christine Rodriguez.

Learn more about Software Engineering and how female engineers impact our world. **START EXPLORING HERE!**

MEET OUR INDUSTRY EXPERT

1

KATE GROSSMAN
Associate Software Developer >> SAP

Click on the green gear to view our expert's video and learn more about Software Engineering. Currently, Kate is on the Ariba SpotBuy team and part of SAP's Next Talent program for new graduates that allows participants to explore, develop, and make an impact as full-time employees.

2

STRETCH YOUR LEARNING

🔍 [View NAF's Engineers Week playlist](#)

EXPAND your software engineering knowledge and capacity:

- Learn how to code with [this programming guide](#) an industry expert wished he had when he started.
- Create a self portrait in [CodeYourself](#) using Java.
- Participate in one of these [computer science competitions](#).
- Design an app of your choice with a [freeCodeCamp Tutorial](#).
- Complete the Innovation Challenge below. ↓

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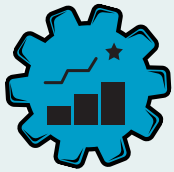**IMPACT SURVEY FOR EDUCATORS:** *Scan or click the QR code to share your feedback and for a chance to win $100.*

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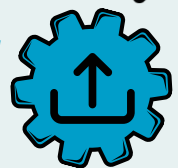

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