



# US Research Software Engineer Association

Sustainable Software Through Stronger Community | <https://us-rse.org>

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## What is the US-RSE Association?

A community-driven organization

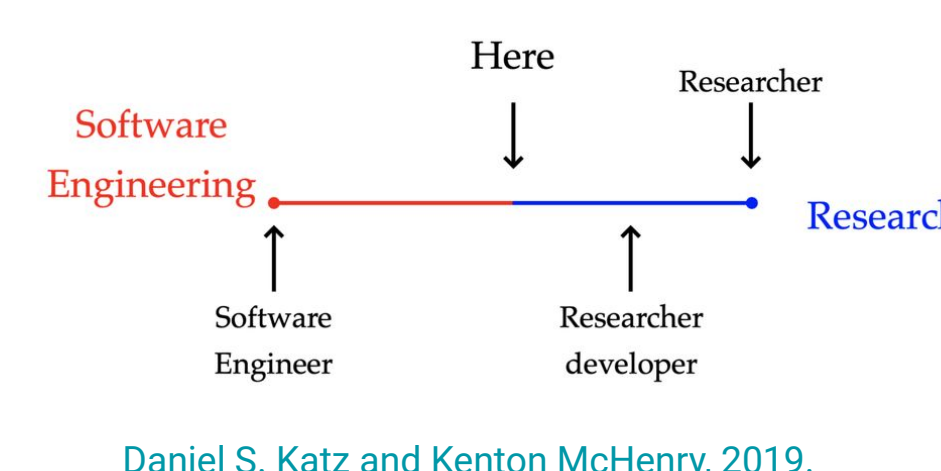
### People:

- **Writing and contributing research software** at Universities, laboratories, knowledge institutes, companies, & more
- **Interested in research software engineer careers** Students, researchers, software engineers
- **Identifying as RSE "allies"** Manage, sponsor, support

## What is a Research Software Engineer (RSE)?

Someone who regularly uses expertise in programming to advance research

- **researchers** who spend a significant amount of time programming
- full-time **software engineers** writing code to solve research problems
- **those somewhere in-between**



[Daniel S. Katz and Kenton McHenry, 2019.](#)

We aspire to apply the skills and practices of software development to research to create **more robust, manageable, and sustainable research software.**

## US-RSE Mission

### Community

Create a professional community to share knowledge, connections, and resources

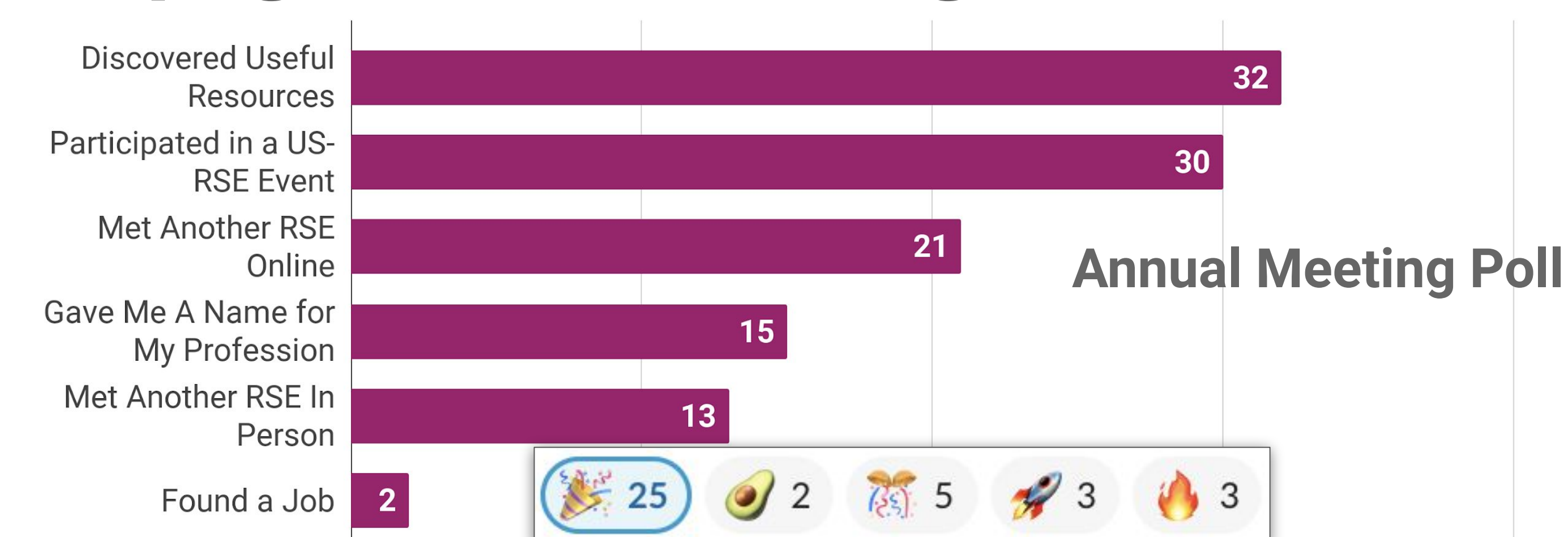
### Advocacy

Promote RSEs impact on research, highlighting the critical and valuable role RSEs serve

### Resources

Access to information and material to support individuals and RSE groups

## Helping RSEs Meet Challenges



<https://us-rse.org/jobs/> and #jobs channel  
77 unique jobs posted all time | 21 as of Feb 2021!

## US-RSE in 2020

- [US-RSE 2-Day Virtual Workshop \(YouTube\)](#)
- [Community calls](#)
  - [Hiring and Interviewing for RSE Positions](#)
  - [Diversity, Equity, and Inclusion](#)
- [Annual Meeting - Steering Committee elections](#)
- Workshops, Presentations, Career Fairs
  - [PEARC20](#)
  - [SC20](#)

### RSE Stories

Podcast by Vanessa Sochat



## Future Initiatives

### 2021

- US-RSE 2021 Workshop
- Formal non-profit status
- International RSE Survey
- Networking events - More RSE Stories!

### 2-3 Year Goals

- Annual RSE Conference and/or workshop(s)
- Regional and local events/chapters
- Advocacy program to promote RSEs
- Career development program
- Develop



[doi:10.6084/m9.figshare.13956482](https://doi.org/10.6084/m9.figshare.13956482)

## Think Globally, Act Locally

Inspired by the UK, RSE Associations are now across the globe

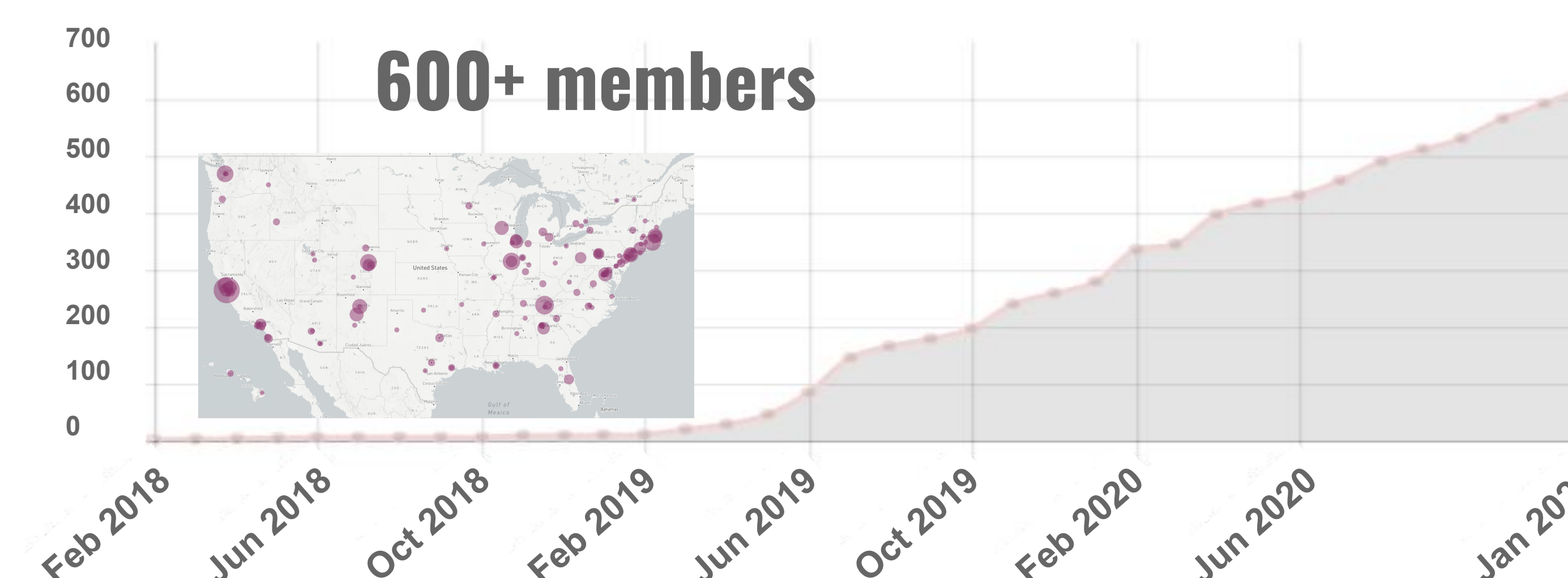


RSE Research Software Engineers International

RSE Society of Research Software Engineering (UK)



## US-RSE Membership



## US-RSE on Slack

- Most communication happens on Slack
- We openly encourage the creation of new channels

#events  
#introductions  
#jobs

#national-labs  
#question-and-answer  
#education-training

#dei-discussion  
#education-training



#python

Membership is FREE

<https://us-rse.org/join>

