

Princeton Research Software Engineering Group

and

US-RSE: US Research Software Engineer Association



Princeton
Research Computing

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**US
RSE**

The logo for the US Research Software Engineer Association (US RSE). It consists of a purple square with the letters 'US' stacked above 'RSE' in white. The square is set against a background of horizontal grey bars of varying lengths, creating a stylized 'E' shape.

US RESEARCH
SOFTWARE ENGINEER
ASSOCIATION

Princeton Research Software Engineering Group

- Est. Dec 2016 within central Princeton Research Computing Department
- Goal: Help researchers create the most efficient, scalable, and sustainable research code possible in order to enable new scientific advances.
- Complement traditional academic research groups with embedded, long-term:
 - Software development
 - Domain specific knowledge
 - Algorithm development and selection
 - Performance tuning & optimization
 - Coding standards and techniques





US-RSE: Building a National Community of Research Software Engineers

contact@us-rse.org
@us_rse

<https://us-rse.org>

Mission of the US-RSE

1. Community

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

2. Advocacy

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

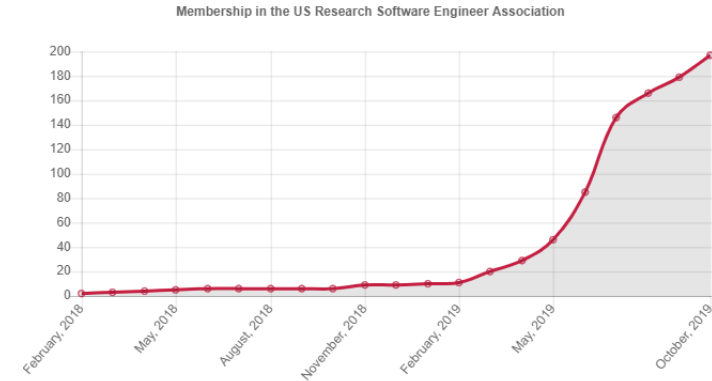
3. Resources

- Access to information and material to support individuals and RSE groups



Current Happenings of the US-RSE

1. Slack team with channels for different groups
2. Steering Committee, Governance, Code of Conduct
3. Online communication: newsletter, website/blog, twitter
4. Community Calls
5. RSE stories podcast
6. Additional Events
 - PEARC19
 - SC19
 - 2020 US-RSE workshop



Best Practices & Synergy

Princeton

- Proximity to peers
- Frequent communication with researchers
 - Communication & collaboration plan
- Multi-step approach to project intake
 - Discussion
 - Review
 - Plan

US-RSE

- Advocate for each other
- Sharing success stories
- Foster role change and career growth

