

# Cool RSOs to Join

**Note:** The biggest challenge when you're looking for an internship is making sure your resume stands out to a hiring manager. That means (i) having lots of coding experience and (ii) having lots of experience working on large software projects with lots of other people (this is pretty much what industry involves).

Remember, joining an RSO is one of the *best* ways to get coding experience and make your resume look better when applying to your first internship. Here's a list from some current and past TAs:

1. Making games is a great way to get coding experience! The unity game engine uses C# so it is fairly familiar to UW students, and there's tons of unity tutorials online. UW has a pretty awesome game development club that's open to all. While we don't make people work on projects, it's a great place to find a starting point or get more interested.  
<http://uwgamedev.com/>
2. impact++ is a pretty cool computing + social impact org!!  
<https://sites.google.com/view/udubimpact/students?authuser=0>
3. ARUW (Advanced Robotics at UW) and UW Formula Motorsports are some RSOs that my friends have gotten a good bit of coding experience while on the team.  
<https://aruw.org/> and <https://uwformulamotorsports.com/>.
4. Not exactly a student org, but doing some computing related research is a great way to get a lot of experience writing tons of code! ATC (algo-trading club) used to do different ml based projects every quarter, not sure if they still do.
5. If you're interested in cybersecurity, Batman's Kitchen is a great RSO to join. They usually have speakers every week talking about different aspects of security and participate in various CTF (Capture the Flag) competitions.  
<https://uwctf.cs.washington.edu/>
6. WXML is a lab that allows you to do math research for a quarter and get credit! They usually have a project that doesn't require super high level math and includes some programming. <http://wxml.math.washington.edu/>
7. Society of Women Engineers
8. EcoCar

*Will be updated.*

# Career Fairs / Conferences

- Allen School Career Fair
- Diversity Career Fair
- iSchool Career Fair
- UW-Seattle Winter & Spring Job & Internship Fair
- Society of Women Engineers Career Fair
- Science & Engineering Career Fair
- Grace Hopper Conference: <https://ghc.anitab.org/>
- TAPIA Conference: <https://tapiaconference.cmd-it.org/>

# Hackathons

Note: each university typically has at least one hackathon!

Some organized by UW / UW students

- DubHacks
- SWEHacks

Other hackathons

- AthenaHacks

# Dank Interview Questions We've Seen

Programming with Data Structures (CSE 143)

- <https://leetcode.com/problems/validate-binary-search-tree/>
- <https://leetcode.com/problems/path-sum/>
- <https://leetcode.com/problems/path-sum-ii/>
- <https://leetcode.com/problems/maximum-difference-between-node-and-ancestor/>
- <https://leetcode.com/problems/minimum-remove-to-make-valid-parentheses/>
- <https://leetcode.com/problems/binary-search-tree-iterator/>
- <https://leetcode.com/problems/design-twitter/>

Graph Traversal Algorithms

- <https://leetcode.com/problems/number-of-islands/>
- <https://leetcode.com/problems/rotting-oranges/>
- <https://leetcode.com/problems/accounts-merge/>
- <https://leetcode.com/problems/evaluate-division/>
- <https://leetcode.com/problems/word-ladder/>
- <https://leetcode.com/problems/all-paths-from-source-to-target/>

## Graph Traversal Algorithms 2

- <https://leetcode.com/problems/reconstruct-itinerary/>
- <https://leetcode.com/problems/binary-tree-right-side-view/>
- <https://leetcode.com/problems/pacific-atlantic-water-flow/>
- <https://leetcode.com/problems/clone-graph/>
- <https://leetcode.com/problems/course-schedule/>
- <https://leetcode.com/problems/number-of-provinces/>
- <https://leetcode.com/problems/symmetric-tree/>

## Sorting

- <https://leetcode.com/problems/k-closest-points-to-origin/>
- <https://leetcode.com/problems/sort-colors/>
- <https://leetcode.com/problems/alien-dictionary/>
- <https://leetcode.com/problems/sort-an-array/>
- <https://leetcode.com/problems/merge-sorted-array/>
- <https://leetcode.com/problems/merge-k-sorted-lists/>
- <https://leetcode.com/problems/search-in-a-sorted-array-of-unknown-size/>
- <https://leetcode.com/problems/leftmost-column-with-at-least-a-one/>

*Will be updated.*

## Other Misc Cool Things

*Will be updated.*

<https://leetcode.com/list/xoqag3yj/> (75 most popular questions)

[https://www.reddit.com/r/cscareerquestions/comments/avf528/a\\_tiny\\_guide\\_to\\_grinding\\_leetcode\\_problems/](https://www.reddit.com/r/cscareerquestions/comments/avf528/a_tiny_guide_to_grinding_leetcode_problems/) (topics to learn)

<https://www.linkedin.com/pulse/nervous-during-your-technical-coding-interview-tebow-sarpangal/> (TEBOW)

<https://medium.com/@techie4good/the-secrets-no-one-told-you-about-technical-interviews-5294fed0da9a> (Behavioral)