A snapshot...

- 60% of students belong to underrepresented groups
- 50% of students are first generation students
- Before 2013, 2 CS class sections per quarter
- No fulltime CS instructor
...then there were some changes...

- Java → Python for CSC 110
- In-Class-Exercise (ICEs)
- Women-in-STEM
- #HourofCode
- C++ Study Group
- CS Tutors
- Grace Hopper Conference Scholarships
- College Visits
Current state

- More CS class sections - 5 sections offered this quarter
- ~30% women in CS Classes
- A thriving Women-in-STEM movement
- More participation of students in #HourOfCode
- 20+ Students to WiSE Conference at UW
- CS Student Engagement activities funded by Google grant
- Long-term plans for taking students to GHC
WINSTEM the start...

- First figure out what students need
- Get the students to signup
  - Members
  - Officers
  - Committee members
- Constitution, Bylaws
- College Contacts
  - Club Center
  - Faculty
  - Administration
WINSTEM
the follow through...

- Guest Lectures
- Workshops
- Fieldtrips
- Networking
- Conferences
- STEM Fair
- #HourofCode
#HourOfCode
the start...

 ► Origin: from Code.org (blocks; drag & drop)
 ► #HourOfCode at South Seattle College
   ► Spring 2014 - First Attempt
   ► Used Code.org’s Hour of Code program
   ► Limited potential / real-world applications

 ► Summer 2014 - Take Two
   ► Theme: Code Wizards Unite!
   ► Self-driven curriculum
   ► Talks on project planning, online education resources
   ► Attendance was low and un-even
   ► Participants felt “lost” - needed more structure
#HourofCode

the next phase...

- Fall 2014 - Third time’s the charm
- Focused Curriculum: Open Source Group Project
  - Launch Planned for End of Spring 2015
- Focus on open source web dev & tools
- More committed participants (~18)

Challenges:
- Finding facilities to hold weekly sessions
- Tech challenges
  - Do all participants have their own laptops?
- How to bring new participants up to speed?
- Community building