



Wearable Research for In-service STEM Teachers (WRIST)

NSF Research Experience for Teachers (RET)

Summary

The objective of the WRIST RET site program is to engage high school computing teachers in cutting-edge research projects in wearable computing and related areas.

- Six-week immersive summer research experience under direct faculty mentorship,
 - Research in ‘Activity Recognition Using a Wearable Accelerometer’
- Developing teaching materials for class
- One-day intensive Spring workshop

Schedule at a Glance: *Summer Component (June 10 – July 31)*

June 2019							July 2019						
S	M	T	W	Th	F	S	S	M	T	W	Th	F	S
						1		1	2	3	4	5	6
2	3	4	5	6	7	8	7	8	9	10	11	12	13
9	10	11	12	13	14	15	14	15	16	17	18	19	20
16	17	18	19	20	21	22	21	22	23	24	25	26	27
23	24	25	26	27	28	29	28	29	30	31			
30													
Kick-off & Final Presentation Weeks (Mandatory Attendance Required)							Mentor Advising Days						
<div style="border: 2px solid red; width: 40px; height: 20px; margin: 0 auto;"></div>							<div style="border: 2px solid orange; width: 40px; height: 20px; margin: 0 auto;"></div>						
							Progress Presentation Day						
							<div style="border: 2px solid blue; width: 40px; height: 20px; margin: 0 auto;"></div>						
							Flexible Working Days						
							<div style="border: 2px solid green; width: 40px; height: 20px; margin: 0 auto;"></div>						

- RET kick-off meeting (Mandatory): June 10 – June 14
- Mentor Advising Days (require to attend 5 out of 6 meetings): Every Monday except the first and last weeks.
- Progress Presentation Days (require to attend 5 out of 6 meetings): Every Wednesday except the first and last weeks.
- Flexible Working days: the participating teachers can choose any working week days.
- Final Presentation Days (July 29 – July 31)
- **Spring Workshop (Spring 2020):** The summer research participants will present, exchange, and share their research experience and teaching materials. The curriculum modules developed during the summer will be distributed for other schools to adopt.

Compensation: Participating teachers will receive stipends totaling an amount of \$6,000 for completing all summer activities and \$1,000 for the spring workshop.

Application: Application deadline is Apr 19, 2019

Applications will be reviewed on a rolling basis starting Apr 1, 2019.

Eligibility

- Middle/High School Computer Science or Information Technology-related teacher
- Full-time commitment of 40 hours per week to the six-week summer research program and one-day spring workshop

For inquiries or to notify us of your interest, please contact:

Jon Youn, jyoun@unomaha.edu, Briana Morrison, bbmorrison@unomaha.edu