**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 one of the following areas while developing teaching materials for class:
  - Activity Recognition Using a Wrist Accelerometer
  - Software Engineering Principles for Wearable Application Development
  - Pattern Extractor on Wearables
  - Wearables in Fashion for Introductory Computing
- One-day intensive Spring workshop

**Schedule at a Glance: Summer Component (June 11 – Aug 3)**

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- RET kick-off meeting and Computational Thinking Workshop (Mandatory): June 11 – June 15
- Progress report meetings (Mandatory): June 29 & July 20
- RET Final presentation/demonstration preparation (Mandatory): Aug. 1 - Aug. 3
- Flexible Working days: the participating teachers can choose any 20 working week days between June 18 and July 27 (up to you and your faculty mentor’s schedule).
- **Spring Workshop (Spring 2019):** 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 16, 2018

Applications will be reviewed on a rolling basis starting March 15, 2018.

**Eligibility**

- High School Computer Science or Information Technology teacher from Omaha Area
- 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