**Faculty Name:**
Xiaodong Wang

**Faculty Email:**
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**Lab:**
Signal processing and communications

**Project Title:**
Deep compressed sensing with application to communications and sensing

**Description:**
Using a generative neural network to represent a sparse signal with a low-dimensional latent variable is done offline. Then during the online stage, perform signal processing on the latent variables, significantly reducing the real-time signal processing complexity.

**Location of Research:**
On-Site

**# of hrs/week:**
30

**Department/Program:**
Electrical Engineering

**Eligibility:**
BS, First Year, BS, Second Year

**To apply, please contact:**
xw2008@columbia.edu