On April 20, 2016, undergraduates Hannah Leleux, Diego Fernandez, Colin Smith, Timothy Gonzales, Alexander Strong and Timothy Holcombe who are members of the Computer Science STAIRSTEP presented research at the 2016 Undergraduate Research Expo.

Hannah Leleux and Diego Fernandez lead the presentation for the poster “Programming is a Snap!: increasing knowledge and interest in computing”. The poster displayed a brief summary of STAIRSTEP's outreach research project. Authors of the “Programming is a Snap…” poster are Hannah Leleux, Alexander Strong, Timothy Gonzales, Colin Smith, Diego Fernandez and Timothy Holcombe.

Alexander Strong led the presentation for the poster “Work in Progress: Improving the Performance of the Radial Basis Function Neural Network”. The poster displayed a brief summary of STAIRSTEP’s machine learning research. The authors of the “…Radial Basis Function Neural Network” poster are Alexander Strong, Colin Smith and Timothy Gonzales.

Colin Smith led the presentation for the poster “Work in Progress: Machine Learning in Robotics”. The poster displayed a brief summary of STAIRSTEP's robotics and machine learning research. Authors of the “…Machine Learning in Robotics” poster are Colin Smith, Hannah Leleux, Alexander Strong, Timothy Gonzales and Timothy Holcombe.

The posters were judged amongst other undergraduate research posters presented by Lamar University students. The Undergraduate Research Expo was hosted by Dr. Kumer Das and the Office of Undergraduate Research. The posters are part of the ongoing research in Computer Science education, machine learning and robotics that the Computer Science STAIRSTEP team is conducting. The research is led by Dr. Peggy Doerschuk and through conducting the workshops and experiments the STAIRSTEP students are able to collect data.