Intro to Explore! STEM@UTSA

- Learn STEM occupations through hands-on activities
- Topics
  - Software Engineering – Computer Programming in Python
  - Data Science – Autonomous Driving Basics
    - Lane Detection
    - Vehicle Detection
  - Cloud Computing
About US

- Dr. Kathy Ewoldt, Assistant Professor, Special Education
- Dr. Wei Wang, Assistant Professor, Computer Science
- Dr. Leslie Neely, Associate Professor, Educational Physiology
- Rebecca Y. Quintero, from TWC
- Tutors,
  - God's salvation Oguibe, PhD student, Computer Science
  - Sean Soderman, PhD student, Computer Science
Schedule

- Aug 9th to Aug 13th
  - Lectures, activities and Guest speakers

<table>
<thead>
<tr>
<th>Time</th>
<th>Activities</th>
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<tbody>
<tr>
<td>9:00am – 9:15am</td>
<td>Preparation</td>
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<tr>
<td>9:15am – 10:00am</td>
<td>Lecture/Activity Block 1</td>
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<td>10:00am – 10:15am</td>
<td>Break</td>
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<td>10:15am – 11:30am</td>
<td>Lecture/Activity Block 2</td>
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<td>11:30am – 12:15pm</td>
<td>Guest Speaker</td>
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<td>12:15pm – 12:45pm</td>
<td>Lunch Break</td>
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<tr>
<td>12:45pm – 13:15pm</td>
<td>STEM Activities</td>
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<tr>
<td>13:15pm – 14:00pm</td>
<td>Additional Tutoring/Closing</td>
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Intro to Explore!STEM@UTSA cont.

- Guest Speakers from other STEM fields:
  - Day 1: Mr. Pitz (retired mechanical engineer, award-winning RC pilot, and deaf private pilot)
  - Day 2: Dr. Alberto Nunez-Maestas (Earth Science)
  - Day 3: Mr. Eric Gessler (Boeing Industrial Engineer)
  - Day 4: Panel
  - Day 5: Dr. John Quarles (VR lab tour)
Intro to Explore! STEM@UTSA cont.

• STEM Activities:
  – Day 1: Robot Dog
  – Day 2: Your Hi-5 Strength
  – Day 3: Paper Airplanes
  – Day 4: Holo Lens
  – Day 5: ???!
What we need from you?

- A growth-mindset and willingness to learn attitude
- Ask any questions you have no matter how small
- Patience - with us, your parents, and yourself
- Do not contact the tutors directly by personal mail, and do not contact the tutors outside camp.
A few Tasks

- Questions?
- Fill out the pre-camp assessment
  - https://forms.office.com/r/9DgKgrwFgC