

# Alexandra Heinemann

## School

2006 Legacy Lane  
College Station, TX 77840

## Permanent

238 Shaw Ct.  
New Alexandria, PA 15670

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## Education:

Texas A&M University, College Station, TX 77843

- Masters of Science in Aerospace Engineering Expected: May 2020
  - Research Assistant under Dr. Bonnie Dunbar in Aerospace Human Systems Laboratory
- Bachelor of Science in Aerospace Engineering—GPA 3.977 May 12, 2018
  - International Engineering Certificate

## Work Experience:

Texas A&M University Undergraduate Summer Research Grant

June 2017 – August 2017

- Preliminary work on Enhanced Flight Vision System Head-worn display for GA pilots
  - Vehicle Systems & Control Laboratory

Boeing Engineering Accelerated Hiring Initiative Internship

June 2016 – August 2016

- Flight Test Engineering – F/A-18
  - Compiled/created/validated procedures to test all cautions and advisories

GE Aviation internship

June 2015—August 2015

- Field support for American Airlines GE-90 engines
  - Improved verification of service bulletin compliance from 4% to 100%
  - Coordinated delays and cancellations meetings with AA and GE representatives

Texas A&M University Aerospace Engineering Department

- Vehicle Systems and Control Laboratory Research Team August 2014—August 2018
- Aerospace Human Systems Laboratory Graduate Research Assistant August 2018—Current

## Honors:

3<sup>rd</sup> place at AIAA Student Conference – Region IV

April 2018

Sigma Gamma Tau Aerospace Engineering Honor Society

Tau Beta Pi Engineering Honor Society

Aerospace States Association Scholarship

2016

USA Archery Academic All American (3 years)

2014-2017

TAMU Aerospace Engineering Department Scholarship

2014-2018

## Conferences:

International Space Medicine Summit

October 25-28, 2018

AIAA Student Paper Conference—Region IV

April 13-14, 2018

- “Preliminary Evaluation of Enhanced Vision Head Worn Display for FAR Part 23 Aircraft”

## Leadership:

Aggie Astronaut Corps

August 2017—May 2018

- Ground school teaching assistant, assistant organizer

AIAA Aerospace Engineering department representative

September 2015—May 2016

High Altitude Balloon Club treasurer

August 2017—May 2018

Phi Eta Sigma Service Committee

September 2015—May 2017

## Skills:

Microsoft Office, Matlab, progeCAD, Solidworks, Licensed Private Pilot, Fluent in French

## Activities:

Flying—License Private Pilot: single engine land, complex aircraft endorsement, EAA, AOPA

June 2012—Current

AIAA TAMU chapter

September 2014 – Current

High Altitude Balloon Club

October 2014 – May 2018

Archery

October 2009 – Current

- USA Collegiate National Championship – 8<sup>th</sup> place

- Three-time USA Collegiate Archery Academic All-American

- Member of national team championship winning TAMU Collegiate Archery Team

September 2014 – Current

Music: piano 17 years, flute 13 years