

# Yusef Essawi

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## Education

- James Madison high school **2016-2019**
  - 3rd year--Junior
  - Pursued challenging science/math courses, such as AP Chemistry, AP Physics, Honors Chemistry, Honors Biology, Honors Algebra 2, Honors Precalculus

## Leadership

- Secretary--Medical Youth Society **2018-2019**
  - Specialized in writing emails and maintaining contact with both students and teachers alike.
  - Developed an understanding of the human anatomy and the medical industry
- President--Middle Eastern Awareness Club **2018-2019**
  - Addressed the understanding of middle eastern current-events and culture
  - Coordinated with teachers and students to organize events and meetings
- Treasurer--Neurology Club **2018-2019**
  - Assembled an understanding about the financial aspects of running a club
- Biological Monitoring Director--Trout out of the Classroom **2018-2019**
  - Conducted field research from an ecological perspective

## Volunteer/tutor Experience

- National Science Honor Society **2018-2019**
  - Tutored students in biology and chemistry
  - Conducted/Perfectd experiments alongside teachers to prepare for classroom experiments
- National Honor Society **2018-2019**
  - Tutored students in various subjects
  - Volunteered at various places, including food banks
- Spanish Honor Society **2018-2019**
  - Graded spanish quizzes
  - Met with ESOL students

## **Research Experience**

- Science fair **2017-2018**
  - Designed a tangible method for yielding magnetite nanoparticles (environmental and medical applications)
- SEM at Georgetown University **2017-2018**
  - Organized meetings with scientists/professors at Georgetown University to tour their lab and use their scanning electron microscope(for science fair).
- Prep project **2016-2017**
  - Evaluated the correlation between the response of plants with and without mutated genes to a copper sulfate solution

## **Achievements**

- Academic Honor Roll **2016-2019**
  - 4.0+ weighted GPA
- Marching band state championship **2018**
  - Practiced teamwork skills toward a common goal

## **Extracurriculars**

- Science Olympiad **2017-2019**
  - Planned months in advance with partners to prepare for events
  - Applied teamwork skills with both my partners and the whole team to achieve success
- Marching/Concert band **2016-2019**
  - Played Trumpet in a high-achieving marching and concert band