

# Gabriel M. Mukobi

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## Education:

**Camas High School** - Class of 2018 (Current Senior)

Cumulative Unweighted GPA: 4.0

Specialized courses: Linear Algebra, Multivariable Calculus, AP Calculus BC, Accelerated Pre-calculus, Accelerated Algebra II, AP Physics, AP Chemistry, AP Biology, AP Environmental Science, AP English Literature, AP English Language, AP US Government, AP US History, AP World History, Symphonic Band, Wind Orchestra, Jazz Band

**Camas High School Math, Science, and Technology Magnet Program** - 2014 through present

Endorsed by the National Association for Specialty Secondary Schools of Science, Mathematics and Technology, the CHS MST Magnet Program admitted 30 students out of the more than 500 in the class of 2018 to instill the underlying values, skills, and behaviors that will enable them to enter chosen careers in the fields of math, science and technology through conducting independent research projects, writing professional papers, and presenting research.

## Volunteer Experience:

**Portland State University, Ralf Widenhorn Lab** - June 2016 through Present

Volunteered as an intern at the physics lab of Ralf Widenhorn at Portland State University, contributing over 250 hours developing a new high accuracy localized positioning and motion capturing device and implementing it as a learning tool for hands-on college-level physics courses, as an advanced position and motion data collection device for professional athletes, and as a solution for other high precision applications.

**Kasese Wildlife Conservation Awareness Organization (KWCAO)** - September 2016 through Present

Volunteered an average of 4 hours per month analyzing, updating, and drafting alternative designs and layouts to the Kasese Wildlife Conservation Awareness Organization (KWCAO) website, [www.kasesewildlife.org](http://www.kasesewildlife.org)

**Camas High School Basketball Camp** - Summer 2014, Summer 2015, Summer 2016

Volunteered at this basketball camp over the summer teaching children the basics of basketball and helping them have fun. Worked for Camas High School Basketball under Skyler Gillispie and Ryan Josephson.

## Activities:

### **Music**

Simply 8 - Played guitar in the the rock band Simply 8 from 2016 through 2017 - [www.gabrielmukobi.com/Simply8Band](http://www.gabrielmukobi.com/Simply8Band)

French horn - Has played the french horn since 2012 and has played in the Camas High School Marching Band, Symphonic Band, Brass Choir, and Wind Ensemble since 2014.

Guitar - Has played electric and acoustic guitar since 2009, played in Simply 8 and continues to play in the Camas High School Jazz One (highest) band.

Other Instruments - Also plays and records trumpet, keyboards, and electric bass.

Music Lessons - Has taught lessons for guitar, piano, ukulele, and music theory to a diverse range of students since 2016.

### **Clubs**

Band - Has played in the Camas High School Marching Band, Symphonic Band, Brass Choir, and Wind Ensemble since 2014 and the Jazz One (highest) Band since 2016; elected Band President for the 2017-2018 school year.

National Honor Society - Has been an active member of the Camas NHS since 2016; elected NHS historian 2017-2018.

### **Sports**

Basketball - Has played basketball since 2006. Has played on the Camas High School Freshman, JV, and Varsity teams.

## Selected Awards:

National Merit Scholarship Program Semifinalist - Awarded 2017

Camas High School Pride Inside Award - Awarded, 2017; Nominated, 2017, 2016, 2015

Camas High School Academic Excellence Award - Awarded for English 2017, Foreign Language 2017, Biological Science 2016, Mathematics 2015

1st Place, Plant Sciences - Awarded, Washington State Science and Engineering Fair 2016

2nd Place, McKinstry Built Environment Challenge for Technology - Awarded, Alaska Airlines Imagine Tomorrow 2016

NASA Earth Systems Science Award - Awarded, Washington State Science and Engineering Fair 2016

2nd Place, Material Engineering and Bioengineering - Awarded, Washington State Science and Engineering Fair 2015

Stockholm Water Award - Awarded, Washington State Science and Engineering Fair 2015

Water Environment Federation U.S. Regional Stockholm Junior Water Prize Award - Awarded, Washington State Science and Engineering Fair 2015

Wolfram Mathematica Computational Knowledge Award - Awarded, Washington State Science and Engineering Fair 2015

Maxine LeFever Memorial Outstanding Musician Award - Awarded 2015