

# Michael Vincent Dow

Sugar Grove, IL 60554  
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## Education

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|----------------|--|
| 2014 – present | <b>Illinois Mathematics and Science Academy</b><br><i>Aurora, IL</i> |
| 2013 – 2014    | <b>Kaneland High School</b><br><i>Maple Park, IL</i>                 |

## Extracurricular Activities

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|---------------------|---|
| Sep 2015 – May 2016 | <b>Student Inquiry and Research</b><br><i>Loyola University Chicago, Computer Science Department</i> <ul style="list-style-type: none"><li>• 8 Hrs/Week</li><li>• Created a program in Python to count repetitive motions via an accelerometer.</li></ul> |
| Aug 2014 - Present  | <b>FIRST Robotics</b> <ul style="list-style-type: none"><li>• 15 Hrs/Week</li><li>• Created a curriculum and taught new students as Head of Programming.</li></ul>  |
| Aug 2015 – Present  | <b>Hatikvah (Jewish cultural club)</b> <ul style="list-style-type: none"><li>• 1 Hr/Week</li><li>• Spread awareness about Hatikvah events as Head of Publicity.</li></ul>   |
| Aug 2015 - Present  | <b>American Computer Association</b> <ul style="list-style-type: none"><li>• 2 Hr/Week</li><li>• Discussed and learned about fundamental and trending computer science topics.</li></ul>  |
| Aug 2015 - Present  | <b>Medical Society</b> <ul style="list-style-type: none"><li>• 1 Hr/Week</li><li>• Explored and learned about careers in the medical field.</li></ul>   |

## Volunteer Service

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|--------------------|--|
| Aug 2015 - Present | <b>Peer Tutor</b><br><i>Illinois Mathematics and Science Academy</i> <ul style="list-style-type: none"><li>• 2 Hrs/Week</li><li>• Assisted students with homework in math, chemistry, physics, and computer science.</li></ul> |
| Aug 2016 - Present | <b>Student Computing Support</b><br><i>Illinois Mathematics and Science Academy</i> <ul style="list-style-type: none"><li>• 2 Hrs/Week</li></ul>   |

- Helped setup students' internet and assisted with any computer related issues.

Jun 2016 – Aug 2016

**Sugar Grove Public Library**

*125 Municipal Dr, Sugar Grove, IL 60554*

- 3 Hrs/Week
- Placed returned books back in their respective location and assisted people with locating books.

Jun 2016 – Aug 2016

**Rush-Copley Medical Center**

*2000 Ogden Ave, Aurora, IL 60504*

- 3 Hrs/Week
- Greeted visitors at the outpatient desk and directed patients/visitors to their respective destinations.

Jun 2015 – Aug 2015

**Between Friends Food Pantry**

*Sugar Grove, IL*

- 4 Hrs/Week
- Packed donated food from several grocery stores and labeled, organized, and handed out food.

## Leadership Roles

2015 - Present

Head of Programming on FIRST Robotics team

2016 - Present

Publicity Director of Hatikvah, a Jewish Cultural Club

## Skills/Academic Achievement

Aug 2016

**STARS Celebration Conference (Atlanta, GA)**

- Presented Student Inquiry and Research project at this conference

**Journal of Translational Engineering in Health and Medicine**

- Under review for publication - Accelerometer-Based Automatic Counting of Arbitrary Repetitive Motions (Student Inquiry and Research)

**Java Programming**

- Used in FIRST Robotics

**Python Programming**

- Used in research project to analyze accelerometer data