

# SAMUEL VAN CISE

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## Education

- 6/2018 - Expected      **Bachelors of Science in Mechanical Engineering**  
*Massachusetts Institute of Technology, Cambridge, MA*  
Relevant Coursework:  
Toy Product Design | Introduction to Architecture Design | Numerical Computation for Mech. Engineers
- 6/2014      **High School Diploma**  
*Bald Eagle Area High School, Wingate, PA*  
Salutatorian: GPA-3.95/4.0  
Relevant Coursework:  
Principles of Engineering | Engineering Design | Woodworking

## Skills

**MATLAB**  
**HTML/CSS**  
**Solidworks/Autodesk Inventor**  
**Basic Illustrator and Photoshop**

## Teamwork/Leadership

- 2/2015 - 5/2014      **MIT Toy Product Design**
- Designed and created a new toy prototype using modern rapid prototyping methods
  - Facilitated the team discussion to maintain productivity and creativity
  - Encouraged a collaborative effort which promoted education
- 11/2011 - 6/2014      **BEA Indoor Drumline Captain/Show Design**
- Designed, composed, and directed 2014 Production *Barely Human*
  - Direct sectional rehearsals and ensemble warm-ups
- 9/2010 - 6/2014      **BEA Envirothon Captain and Soil Specialist**
- Developed creative plans for sustainable garden on the school ground
  - Worked flexibly with the team to find new methods of mastering material
- 8/2011 - 12/2013      **BEA Boys Soccer Team**
- Communicated with teammates in high pressure situations to accomplish tasks
  - Designed team T-shirt
- 9/2010 - 12/2013      **BEA Marching Band Battery Co-captain**
- Collaborated with younger and older leaders to teach technique, drill, and music
  - Arranged battery percussion parts for 2013 production closer

## Experience

- 6/2015 – 8/2015      **Resident Facilitator, Physics, MIT Office of Minority Education**      Cambridge, MA
- Lead physics workshops for scholars of the Interphase EDGE Program
  - Resolved disputes constructively among scholars concerning a wide range of subjects
  - Cultivated positive work habits and problem solving skills in scholars
  - Emphasize teamwork and synergy as an athletics coach for the scholars
- 6/2014 – 6/2016      **Interphase EDGE, MIT Office of Minority Education**      Cambridge, MA
- Enhanced communication skills by analyzing communications studies and giving impromptu presentations
  - Mastered problem-solving skills by managing a full course load in physics, chemistry, and calculus
  - Cultivated peer, staff, and faculty relationships as well as a network of support

- 5/2013 – 6/2014      **Head Dishwasher, Host, *The Original Waffle Shop***      State College, PA
- Optimized restaurant flow while accommodating customers' requests
  - Oversaw sanitation of kitchen and dining facilities
  - Maintained customer satisfaction by ensuring a quality dining experience
- 6/2013 – 12/2013      **Crew Member, *McDonald's Corp.***      Milesburg, PA
- Inspected to ensure quality of product before sale
  - Managed 2-5 crew members at a time to complete tasks efficiently
  - Cleaned facilities to maintain appearance
- 4/2011 – 9/2012      **Grounds Manager, *Laurel Haven Vineyards***      Julian, PA
- Tended and controlled plant growth throughout growing season
  - Designed and constructed sheds to store equipment and materials
  - Improved appearance through landscaping techniques