

# Matthew William Walker

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## EDUCATION

**Bachelor of Science, Computer Engineering; Minor: Applied Mathematics**

*Graduating May 2021*

Accreditation Board for Engineering and Technology (ABET)

Ohio Northern University, Ada, Ohio

## RELATED EXPERIENCE

**Research Assistant, Evans Student Research Fellowship Program, ONU**

*Summer 2017*

- Researched new style of grading that has since been implemented in all first-year engineering classrooms
- Worked on Excel sheet that tracks student learning throughout an entire college career

## TECHNICAL SKILLS

- Software: Microsoft Suite, AutoCAD, Inventor, PSPICE, Visual Studios, ModelSIM
- Programming Languages: C++, Java (Swing and AWT), MATLAB

## RELATED COURSEWORK

Signals and Systems  
Digital Logic

Electrical Circuits  
Programming I and II

Introduction to Engineering I  
Introduction to Engineering II

## LEADERSHIP OPPORTUNITIES

**University Innovation Fellow, Hasso Plattner Institute of Design (d.school)**

**Stanford University (Semester Trained)**

*2018 to Present*

- Trained to become an agent of change on campus
- Focused on innovation, entrepreneurship, and collaboration

**Innovators of Ohio Northern (I.O.N.)**

*Fall 2016 to Present*

President

*2017 to Present*

- Project Lead on development of Makerspace in new engineering building expected to start construction summer 2018
- Designed and ran various "Pop-Up Classes" for entire university
- Supervised other I.O.N. related projects

**Dean's Team**

*Fall 2016 to Present*

- Personal assistants to the Dean of the College of Engineering

**The American Society for Engineering Education (ASEE)**

*2016 to Present*

President

*2017 to Present*

- Organized and planned elementary school "STEM Days"
- Presented at ASEE PreK-12 Conference in Columbus, Ohio

**Leadership Experience (LX)**

*Spring 2017*

- Learned how to plan events, work under pressure, and fine-tune time management skills
- Provided insight into interpersonal communication and teamwork

## UNIVERSITY INVOLVEMENT

**Music Ensembles**

*Fall 2016 to Present*

- Marching Band, Wind Orchestra, Jazz Ensemble, Kenton Show Choir Combo, Algorithms Jazz Ensemble

**Phi Mu Alpha Sinfonia, Men's Music Social Fraternity**

*2017 to Present*

- Perform concerts at local nursing homes

**Kappa Kappa Psi, Honorary Music Fraternity**

*2018 to Present*

- Provide service to bands and support music department with various service opportunities
  - Ushering recitals, clean buildings/instruments, and help professors