

## Adam R. Stammer

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### OBJECTIVE

The opportunity to grow in a learning environment so that I can apply my knowledge and abilities to create a better more sustainable world through the use and development of digital technology.

### EDUCATION

Winona State University, Winona, MN  
*Bachelor of Science, Computer Science (Minor: Physics - Electronics)*  
GPA 3.53+  
Expected December 2020

### PROFESSIONAL EXPERIENCE

*Research Assistant*  
Winona State University, Winona, MN  
June 2019 - Present  
(Mentor: *Dr. Carl Ferkinhoff*)

- Designed and built the foundations of the Hardware.astronomy Housekeeping Box (H.aHkBox) as to be used with the ZEUS-2 grating spectrometer
- Learned and developed skills in independent hardware and software research, design, and documentation
- Presented poster at the 235th AAS meeting (Honolulu, HI)

*Tutor*  
Winona State University, Winona, MN  
August 2020 - Present  
Computer Science Department

- Assisted students with homework assignments and studying
- Primarily tutored Computer Systems working with Assembly on the PDP-11
- Gained experience helping others learn and draw conclusions on their own based on existing knowledge

*Technical Support*  
Daktronics, Sioux Falls, SD  
June - August 2018

- Remotely aided field technicians in the hardware and network setup and repair of digital billboards
- Developed remote communication skills with technical and non-technical people
- Gained experience in reading and communicating operations manuals, part lists, schematics, and other technical documents

### COMPUTING SKILLS

Programming Languages: (Ordered by Current Familiarity)  
Java, C/C++, Assembler (PDP-11), Python, Octave/Matlab, C#, VHDL  
Platforms and Tools:  
Arduino, Raspberry Pi, FPGA, Windows, Linux, Git, Eclipse IDE, Visual Studio IDE

### INTERESTS/HOBBIES

*Cycling, hiking, cooking, gardening, carving, bookbinding, microcontrollers*