

JOHNATHAN MACHLER

ELECTRICAL ENGINEERING

PROFILE

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PORTFOLIO

Project Website

d.umn.edu/
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GitHub

github.com/esch3r

LinkedIn



WORK EXPERIENCE

University Challenge	Aug. 2019–Dec. 2019
Air Force Research Lab	
Duluth, MN	
<ul style="list-style-type: none">• Collaborated with four MEs and two other EEs.• Researched viable solutions to navigating in and transmitting location data in GPS denied environments.• Developed and tested a computer vision sextant, which pinpointed our location within ~26 miles using photos of the sun.	

Electrical Engineer I	June. 2020- Aug. 2020
Leonardo DRS	
Melbourne, FL	

EDUCATION

BSEE, Electrical Engineering, Expected May 2020
University of Minnesota Duluth, Minnesota
GPA: 3.05 / 4.00

TECHNICAL SKILLS

Programming Languages	C++, MATLAB, VHDL, AVR ASM, Python
Operating systems	Windows, Linux, Oracle VirtualBox
Documentation	Microsoft Suite, LaTeX, Maple
Modeling	Cadence, PSpice, LTspice, Xilinx, Simulink, SolidWorks