

Dan Nichols

Daniel Nichols

dan@17acr.com



Skills

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- SOLIDWOKRS, some Inventor, AutoCAD and Fusion 360
 - Java programming for Android and Windows
 - C++ for Arduino
 - CNC and manual machining
 - Problem solving
 - System design
 - Microsoft Office
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Experience

FIRST Robotics: Team 548- Robostangs / Mfg. Alumni - Jr. Mentor

JUNE 2017 – PRESENT, NORTHVILLE, MI

- Maintenance, training, and operation of machine tools

FIRST Robotics: Team 548- Robostangs / Manufacturing Lead

JUNE 2016 – JUNE 2017, NORTHVILLE, MI

- Coordinating machining and electrical operations
- Design for manufacture optimization
- CNC machine operation and programming
- System integration
- Embedded system programming
- 73 Outreach hours

SEPTEMBER 2013-JUNE 2016

- 2016 Season: Electrical team lead, Machinist, 28.5 Outreach hours
 - 2015 Season: Playing field team lead, Electrical assistant, 25+ Outreach hours
 - 2014 Season: New member, 25+ Outreach hours
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Education

University of Michigan-Dearborn / BS-Electrical Engineering

SEPTEMBER 2017 - PRESENT, DEARBORN, MI

GPA: 4.8/5 on AP tests, 22 credits

Sophomore (35 credits) by December 2017

Northville High School / Engineering-focus

SEPTEMBER 2013 - JUNE 2017, NORTHVILLE, MI

GPA: 3.96/4 unweighted

3 years of CAD and board drafting

Awards / Certifications

5/2015 - Certified SOLIDWORKS Mechanical Design Associate

Certificate ID: C-4UXK7GPK55

6/2017 - Graduated Summa Cum Laude, Phi Beta Kappa, AP Scholar with Distinction,
President's Award for Educational Excellence from Northville High School

2016-2017 - Letterman in Academic Excellence from Northville High School

2015-2017 - FRC 548 Robostangs Varsity member