Nathan Corwin

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Online Portfolio: http://ncorwin.github.io/

EDUCATION

Northwestern University, Evanston, IL

MS in Robotics Engineering………………………………………………..………..………..Expected December 2016
- **GPA**: 3.63/4.00
- **Relevant Coursework**: Robotic Manipulation, Embedded Systems, Dynamic Simulation, Mechatronics, Digital Image Analysis, Feedback Systems, Machine Learning, Optimal Control
- **Projects**: Jamming Gripper for Baxter Robot, Droplet Placement system for PPOD Project

Trinity College, Hartford, CT

BS Engineering, Mechanical Concentration, Minor in Studio Art…………………………......……Graduated May 2015
- **GPA**: 3.20/4.00
- **Relevant Coursework**: Introduction to Robotics and Design, Statics, Dynamics, Engineering Materials, Mechanics of Materials, Linear Algebra, Linear Circuit Theory, Automatic Control Systems, Introduction to Java Programming, Fluid Dynamics
- **Electives**: Studio Art, Psychology, Japanese, Tokyo History

Air Academy High School, Colorado Springs, CO

4 Years Engineering Path, 6 AP classes………...………………………………………...……Graduated May 2011
- **GPA**: 4.10/4.00 (Honors/AP adds +1.00 to grade)
- **Extra Curicular**: FIRST Robotics, 4 years

SKILLS

- 3D Printing, Mechanical Design, Machining, Woodworking.
- PCB Design, Circuit Design, Wiring and soldering.
- CAD software (Autodesk Inventor, Solidworks, OnShape), Image Editing software (Photoshop, GIMP)
- Programming: Python, C, C++, C#, Basic Java, MATLAB, Mathematica, and Labview
- Microsoft Hololens, Unity Development, Android Development,
- OS: Windows, Linux, ROS

WORK EXPERIENCE

AIR, Northwestern University Garage (Incubator), Evanston, IL

Startup Company, Founder………………………………………………………………….…..…...…..2016-Present
- Engineer/Tech Expert
- Developing software platform for Hololens/Augmented Reality hardware
- 1st prize in Motorola Sponsored Demo Day pitch competition

X-IO, Colorado Springs, CO

Internship…………………………………………………………………..Summer & December 2014, Summer 2015
- Assisted Hardware team prototypeand test new server components
- Shipping/receiving, database management, and inventory responsibilities

EXTRA CURRICULARS

Robot Study Team, Trinity College, Hartford, CT

Member/Sub-Team Leader……………………………………………………………….……… 2011-2015
- Trinity College Robowaiter International competition (2012): Placed 3rd and Won Connecticut Design award
- Trinity College Firefighting International competition (2013, 2015)
- Senior Mentor to Freshman Robowaiter team

Engineers Without Borders, Trinity College, Hartford, CT

Independent Study………………………………………………………………………………..………2013-2014
- Design Team: Designed latrines for Tanzanian Pre-school
- Media Team: Designed advertising materials; posters, pamphlets, flyers