



"DVSF provided me with an outlet during my high school and middle school years to express my technical creativity while learning how to think like an engineer and as a professional. Through my projects, I also learned the value of failure; when a project didn't go as originally planned, sometimes I'd uncover new and exciting results that led to an even better project than I originally expected permitting me to work on even cooler science.

Through the science fairs, I was afforded the opportunity to meet like-minded people from all over the tri-country area and, at ISEF, the world. Without DVSE, I don't believe I'd have had a fraction of the career success I've had to date! "

Chris Miller
Staff Product Manager at Shield AI

DEGREE: Master of Science in Mechanical Engineering (Robotics/Machine Learning)
Northwestern University (2020)
Bachelor of Science in Electrical Engineering – The Pennsylvania State University (2016)

Chris leads teams that build robots that make our world better. His experiences - ranging from programming robots to help people navigate their world to designing circuits for wheel-to-track transformer robots - have afforded Chris with a diverse background in robotics. Chris also enjoys cooking overly complicated dishes, updating his collection of spreadsheets, and maintaining his map of restaurant reviews.

DVSF: 2008 – 2012

ISEF: 2012



Projects:

- Pipeline Inspection Robot for Mining Applications
- Smart Wheelchair for Persons with Disabilities
- Astronaut Gesture Recognition System
- Autonomy Shifting for Smart Wheelchair
- Wheel-to-Track Transformer Robot

See details at: [Chris Miller: Portfolio \(chrisxmiller.com\)](https://chrisxmiller.com)