



Cedar Valley Makers

July 2019



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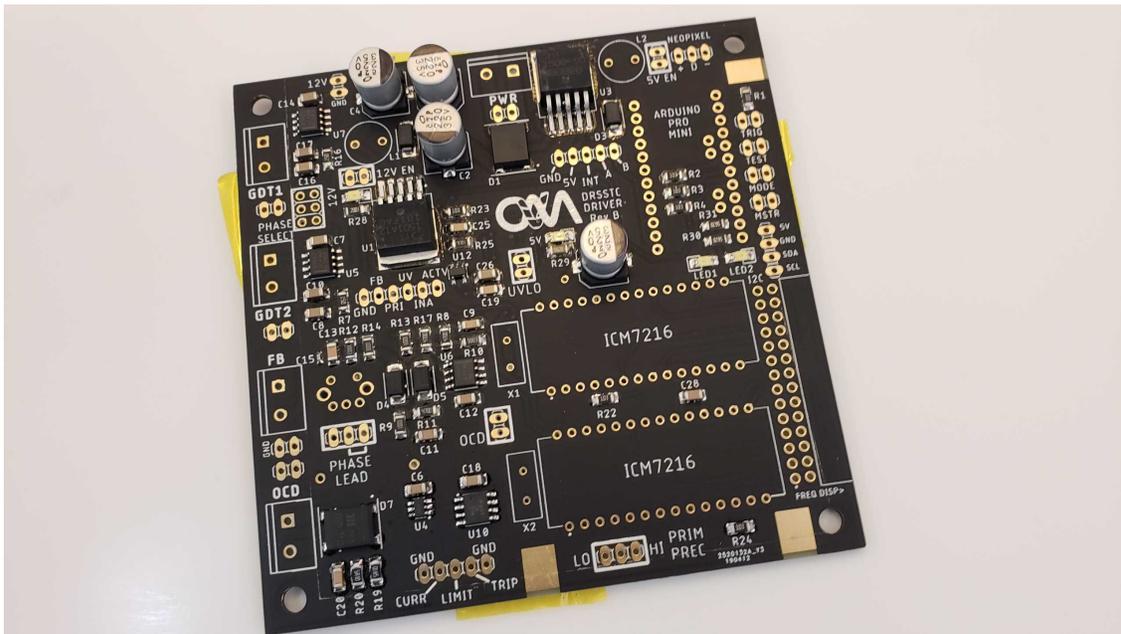


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It sparked our creativity - TESLA

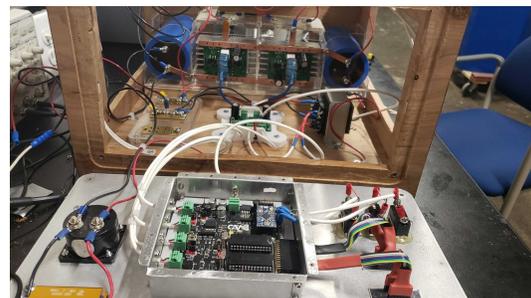
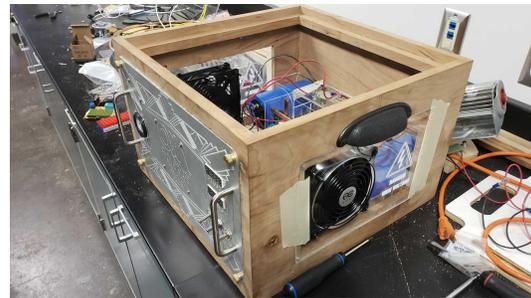


Two board re-designs, 3d-printed parts, laser cut and etched acrylic, custom cherry case, art deco designed aluminum engraved front panel, stainless steel spire, custom aluminum heat sinks, knurled and tapered brass knobs, some smoke, some sparks and much much more.

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We owe a special thanks to Brian Boucher whose enthusiasm for making was contagious. While he was leading the Tesla project, he shared his skills with the Big Brothers Big sisters and other members in the shop. Those of us that worked on this project learned a lot.

Thanks Brian!!



Project of the month - Cutting Boards

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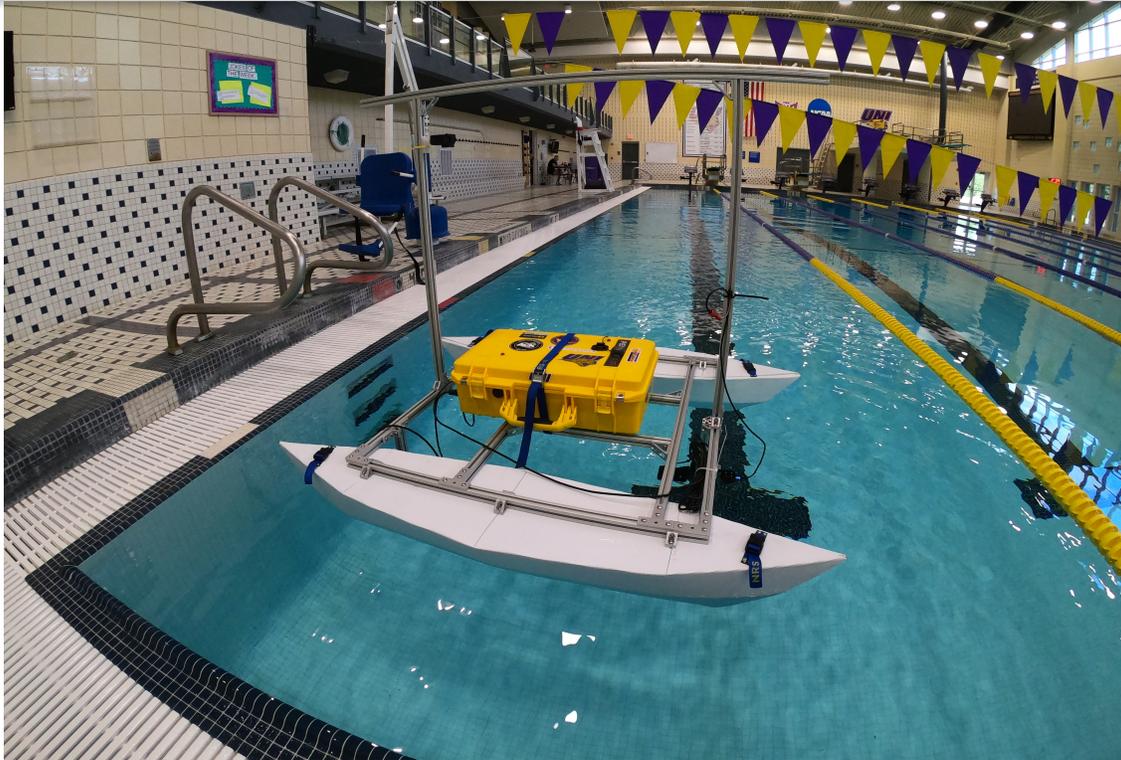
Dave McKeown made the pictured walnut, maple, and cherry board with CNC drip edge., sized perfectly to fit over his sink.

We are making **cutting boards** the project of the month, because everyone needs at least one, plus they make great gifts. We have seen a lot of them made at CVM, in all shapes, woods, and complexities. We have all of the tools, clamps and expertise to make your cutting board project a success. Add a CNC drip edge or a laser engraving to really personalize this wood working classic.

[Sign up for membership](#), if you are not already a member, and ask about help with cutting boards at your orientation

e-mail info@cedarvalleymakers.org

Drone Boat Project



James Dietrich, professor of Geography at UNI and the Director, [Iowa Low Altitude Remote Sensing Lab \(I-LARS\)](#) has been making a drone boat, which will collect data as part of a NSF Grant supported river survey project. The pontoons are light and strong and are created by folding corrugated plastic from an origami pattern



CVM Code Camp

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Pictured: William Hoffman showing how to build a personal web page with HTML, CSS, and some Java Script at the week long Cedar Valley Makers Code Camp @ The Waterloo Public Library.

We covered a lot of ground in a short 5 days, with the hope of getting everyone excited about what we can do with programming. Day 1 and 2 we learned how to create a personal web page, then days 3, 4, and 5 we played with the circuit playground with the challenge of creating a hot potato game with as many features as possible. It was fun!



Lego League kick-off is fast approaching. CVM has several practice tables and an awesome practice space, which includes a large screen monitor, whiteboards, WIFI, and laptops, plus tools that can take prototyping your project to the next level. If you would like to request free access for your Robotics team, or other community or education group

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We look forward to seeing your projects.



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Our Mission: To promote collaborative learning, creative design, and manufacturing for people of all ages and skill levels.

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