

## **Director of Product Development, Mechanical Engineer, UBCO Electric Bikes**

Lead hardware and mechanical design, development, prototyping, and testing for a ground-up new light electric motorcycle platform.

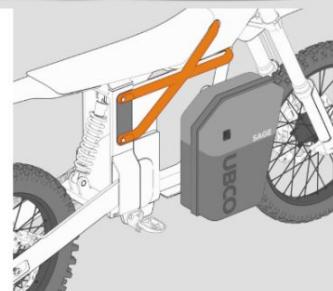
Hire, mentor and manage a diverse team of mechanical, electrical, consulting engineers, and designers based in the USA, Asia and New Zealand.

Motor, motor controller sourcing, design integration and testing. Battery pack development management.

Lead testing and benchmarking of relevant competitor bikes for design reference. UI/UX Research.

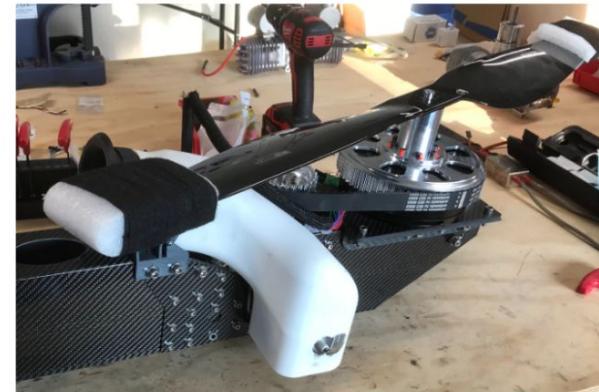
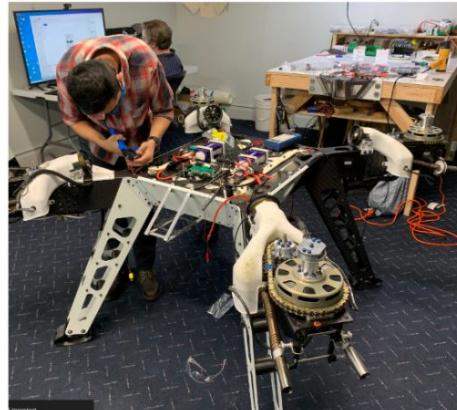
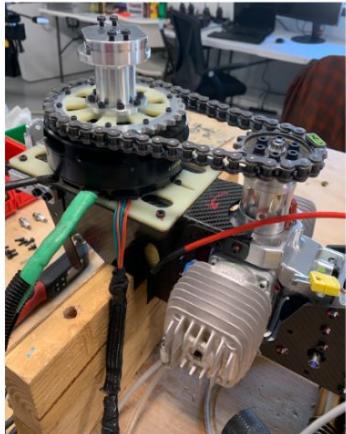
Work closely with sourcing and operations to identify and validate key vehicle components and suppliers.

Factory and vendor compliance test development planning.



# Parallel Flight Technologies

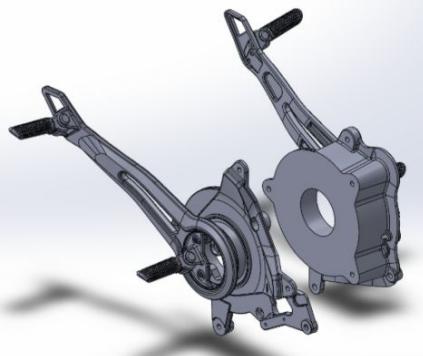
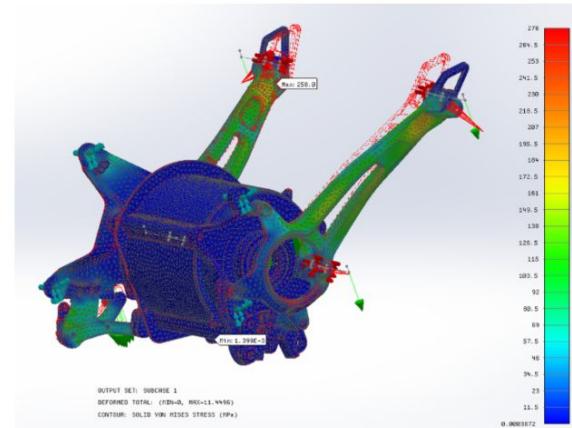
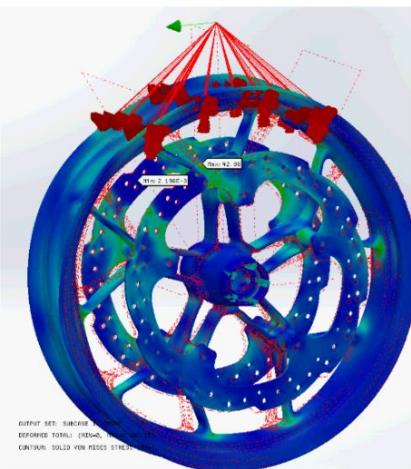
## Senior M.E. - Hybrid Drone Powertrain Development



## Zero Electric Motorcycles, Ground-Up New Platform Development

## Senior Mechanical Engineer

Component design of several key components on the newest Zero motorcycle platform.

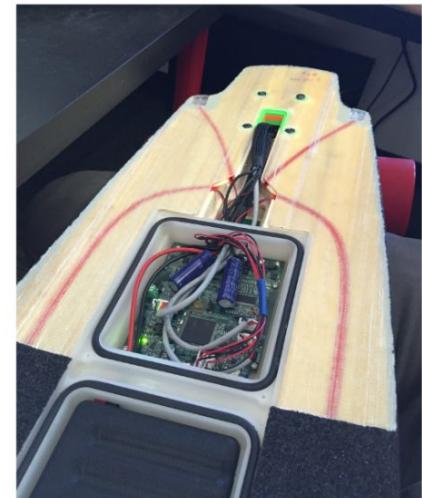


Inboard Technology: Electric Skateboard Startup. World's 1st skateboard with in-wheel motors.

Director of Mechanical Engineering, Sourcing, Manufacturing.

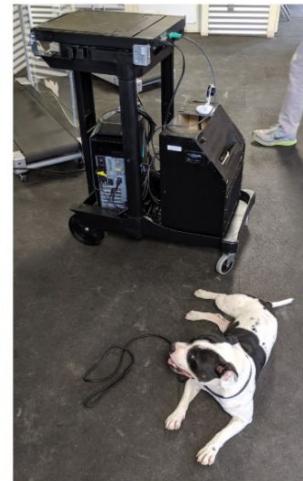
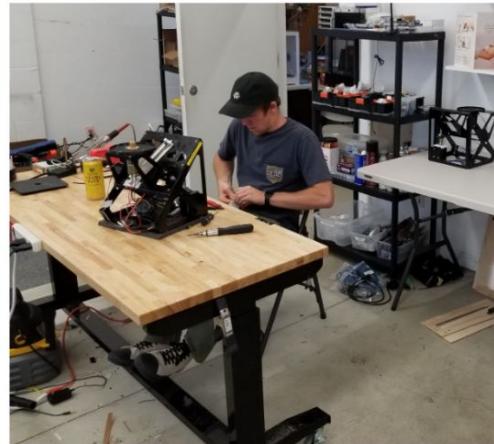
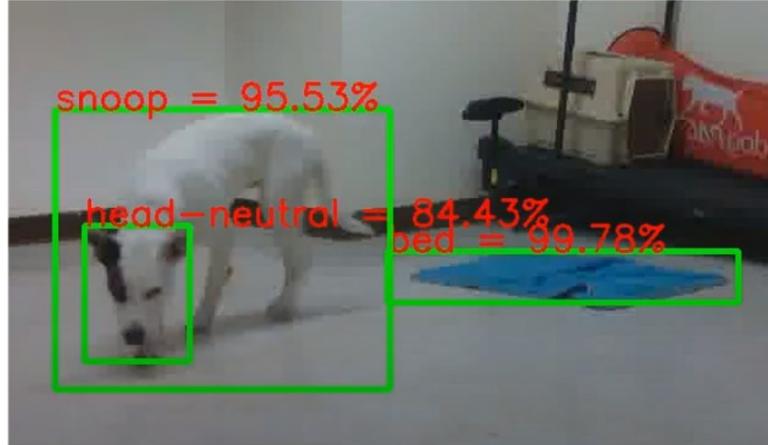
Founding Mechanical Engineer, helped grow company from 5 to 20+ employees.

From Kickstarter campaign to pilot production at Flextronics in under 18 months.



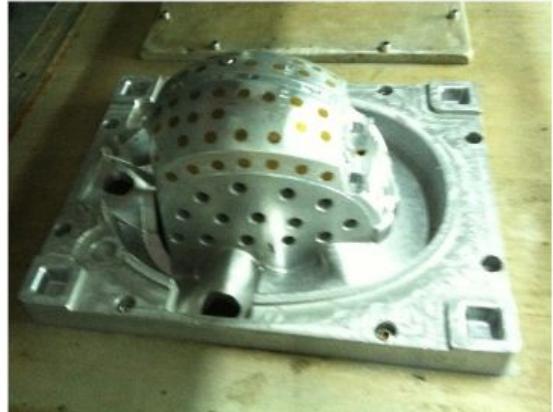
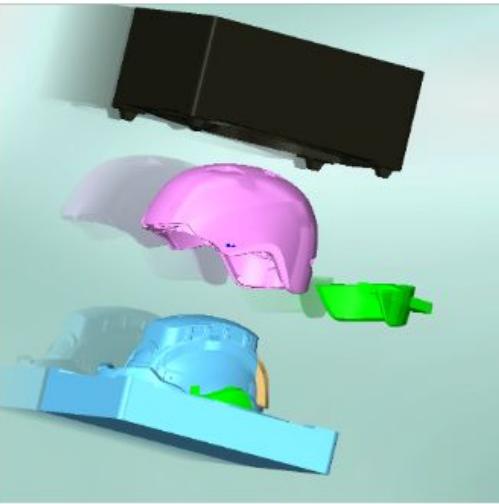
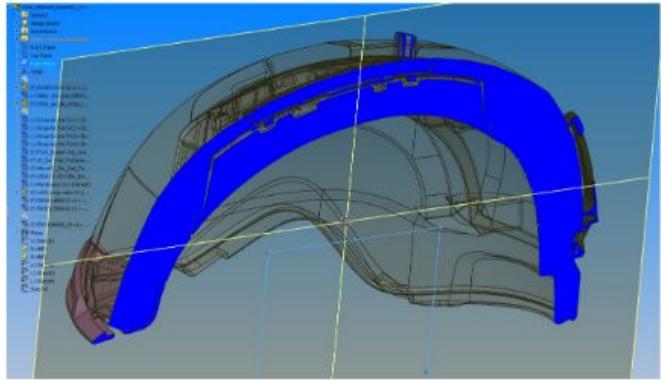
Companion Labs: Head of Hardware/Mechanical Engineering.

Ground-up, Autonomous, A.I. Powered Positive Reinforcement Dog Training Robots



Bell/Giro

Senior M.E., New Product Development



## Giro EDIT snow sports helmet project:

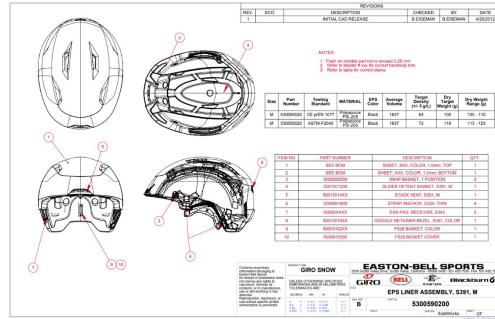
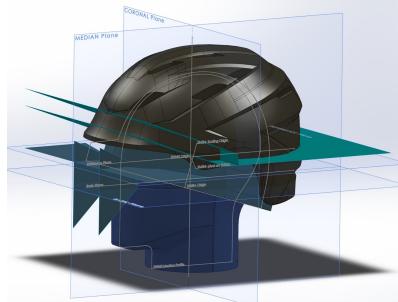
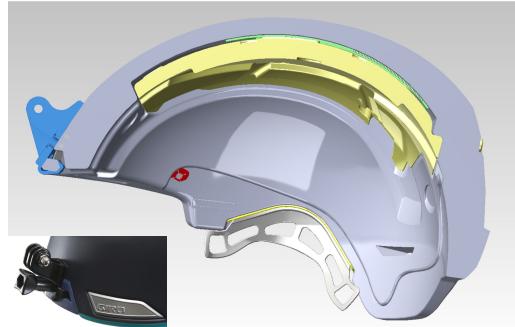
New helmet design. Lead all CAD, Benchmarking, Prototyping, Supplier management, Testing, Certification.

Complex surfacing, multiple injection molded components and materials, CMF. In-molding, Softgoods integration.

Brief: Need a new ID driven design with novel integrated GoPro mount. No glued on mount when GoPro is removed. Goggle integration and retention. Adjustable ventilation system.

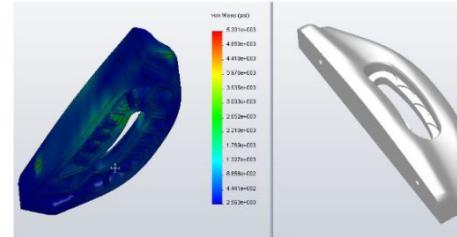
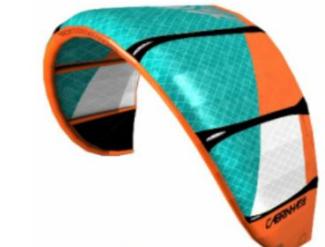
Requirements: No tools for install/removal, category leading weight, meet all safety certification standards, BOM cost targets.

Results: Requirements exceeded, product received industry awards.



## Cabrinha Kiteboarding

Lead Mechanical Engineer & Product Manager  
Hardgoods and Softgoods

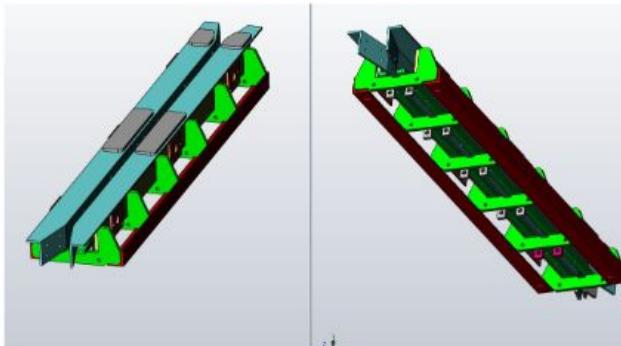
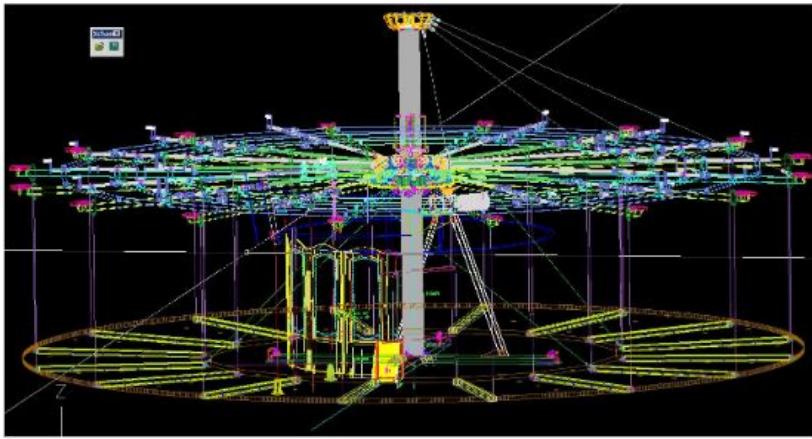


# Chance Morgan Manufacturing

Amusement Ride Design Lead & Project Engineer



## Carousels, Monorails, Machine Designs



## Verdagy: Green Hydrogen Electrolyzer R&D.

Senior Mechanical Engineer. CAD Design, FEA, Prototyping, Testing, Sourcing, Manufacturing.

Designing assembly equipment to help reduce the cost and energy needed to generate green hydrogen for industry.

(NDA prevents showing detailed images of current CAD models or designs)

