

Adam Eastman

Mechanical Engineer

Portfolio

B.S. Mechanical Engineering
UC Berkeley Class of 2015

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Red 6 Aerospace - Mechanical Engineer

Designed, prototyped, & had parts manufactured for augmented reality headsets for pilots.

Used Solidworks to create complex surface models, mechanisms, & assemblies that were used on headsets in hundreds of flights. Simulated ejection scenario on the headset & designed a visor locking mechanism to keep the visor down during ejection. Also designed the mechanism for moving & locking the optics assembly.

Collaborated with an industrial designer, electrical engineers, & optical engineers.



Posture Solutions - Mechanical Design Engineer

Designed, prototyped, & wrote a patent for ergonomically advanced office chairs. Created a myriad of mechanism concepts to explore new ways for chairs to move.



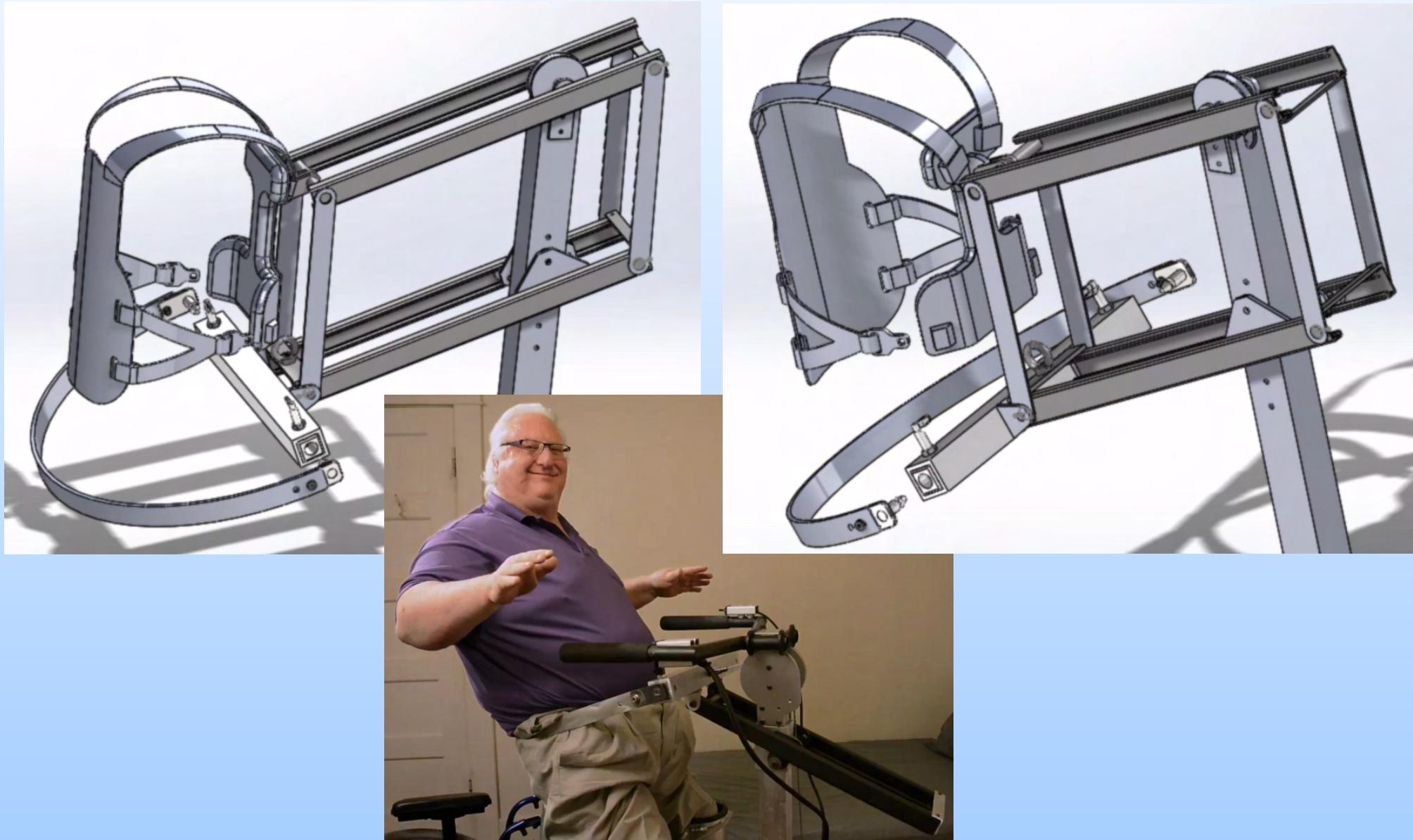
inHouse Produce - Mechanical Design Engineer

inHouse Produce offered a turnkey solution for growing high value produce right in the dining area of restaurants and other food service establishments. Using a combination of technology and service, we provided a fresher, more convenient product while growing edible plants in a beautiful living design piece.



Next Generation Medical Systems - Mechanical Engineer

Worked with an experienced mechanical engineer to design & build a device to give paraplegics more freedom.



Kapsel - Mechanical Engineer

Designed, prototyped, & had parts manufactured for unique bioreactors for low cost food production at high volumes. Used Solidworks & a full machine shop to create functional prototypes. Raised \$120k from Mars Bio. Collaborated with electrical, software, biologists, & chemists to develop novel bioreactors that improve upon existing technology. Developed custom connectors to make a modular system with low cost components.



Azena Medical - Product Design Engineer

Designed, prototyped, & had parts manufactured for medical & dental devices. Used Solidworks, FDM, SLA, & a Tormach CNC Mill for prototyping. Used Fusion for CAM. Researched possibilities for new products & collaborated with an electrical engineer to create housings for electronics.



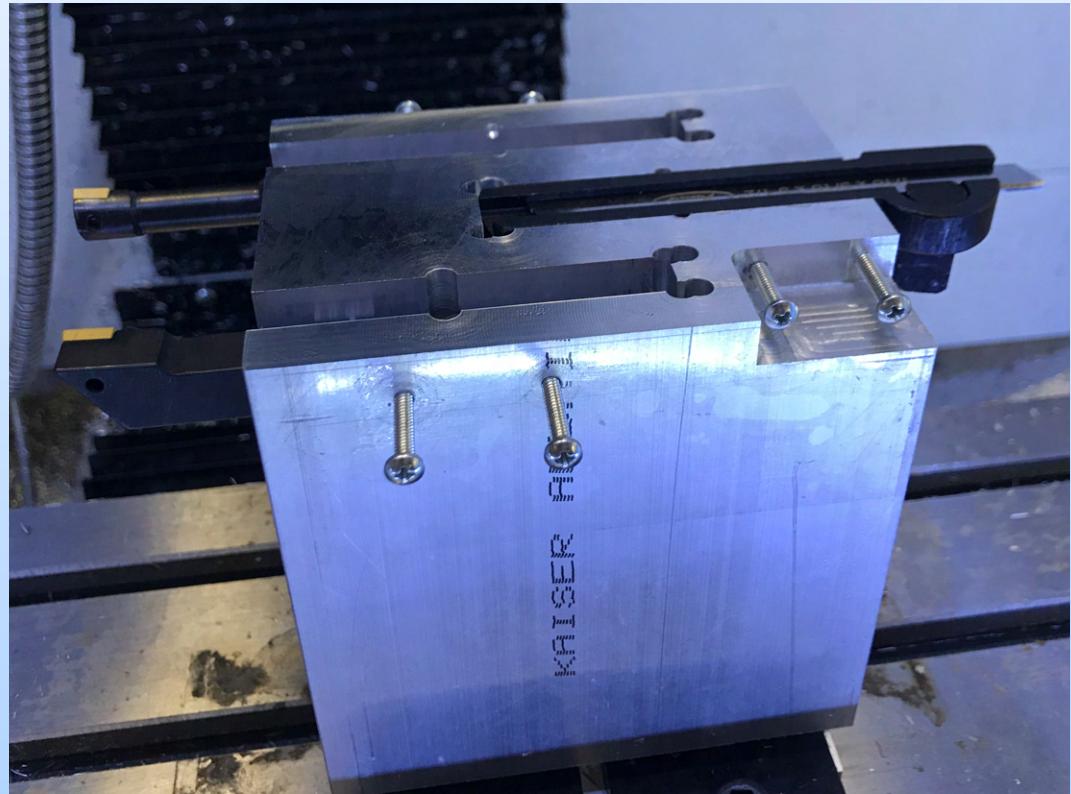
CNC & CAM Experience

All parts machined on a Tormach CNC Mill. Solidworks for CAD. Fusion for CAM.



Setup a Tormach CNC Mill for Turning

Designed & machined a custom part to hold lathe tools on the bed of a CNC Mill and programmed the machine to create highly precise turned parts.



After work...

Fire juggling sharpens my hand-eye coordination, focus, and control under pressure

