

# JOE LI

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## Skills

- Siemens NX, Solidworks, and Fusion 360
- General dimensioning & tolerancing
- Fabrication processes for metals and plastics
- Design for manufacturability and assembly
- Rapid prototyping and testing
- Photorealistic product rendering and graphics
- User experience design and ergonomic factors
- Project management and communication

## Work History

**Product Engineer** Dec 2021 – Present  
Cover Technologies Gardena, CA

- Co-owned "V1" systems engineering and operations through 10 complete product life cycles.
- Defined requirements and system integration for Cover's next-gen electrical infrastructure.
- Built product documentation and quality control standards that were critical board member KPIs.

**Design Engineer** Feb 2021 – Dec 2021  
EZ Canvas Santa Ana, CA

- Managed parts sourcing from Asian vendors for products launching to 8,000+ Walgreens stores.
- Generated innovative, consumer-facing concepts in packaging and injection molded products.
- Developed equipment from the ground-up to streamline warehouse and testing operations.

**Design Consultant** Mar 2020 – Jan 2021  
Kaiser Permanente Oakland, CA

- Designed and verified a 3D-printable hose adapter for 3M Versaflo PPE hoods.
- Managed the logistics of a nationwide group to mass-manufacture 3D-printed hose adapters.
- Reverse engineered damaged components to support the hospital's COVID response.

## Projects

**Product Design: Edge Bikes** Dec 2020

Designed an innovative folding bike frame using past experience of sheet metal fabrication and welding. Created a detailed assembly complete with sourced components and rendered it in Keyshot. These generated materials were compiled into a report with Adobe InDesign.

**Product Design: Tempo Wristwatch** May 2019 - Jul 2019

Designed a wearable wristwatch from idea to production using personal knowledge of fabrication techniques and design for manufacturing. Successfully reverse engineered a mechanical watch movement and incorporated its CAD model into a fully detailed assembly.

## Education

**Bachelor of Science: Mechanical Engineering** Aug 2017 – Dec 2020  
University of California, Berkeley Berkeley, CA

## Certifications

**Berkeley Certificate in Design Innovation** Dec 2019  
Jacobs Institute for Design Innovation Berkeley, CA