Jared Harlan

Industrial designer and engineer specializing in modular systems and softgoods, with nearly 15 years of experience turning first-principles analysis into sewn prototypes and products built for harsh environments.

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Open to relocate

EXPERIENCE

Bowerbird Builders Orcas Island, WA
Project Manager, Designer
March 2026 - Present

- Scope, budget, and design residential renovations, coordinating architects and trades from drawing sets through build.

ArtGlo | OptoGlo Boston, MA
Creative Director, Head of Engineering
May 2023 - October 2024

- Designed and engineered a solar outdoor product and its manufacturing flow, launched in six months.
- Ran field testing and competitive evaluations that set design requirements and tradeoffs.

Glosten Seattle, WA
Project Engineer, Naval Architect
October 2018 - June 2021

- Structural and systems design and modeling for vessels including a wave energy converter and a research vessel.
- Managed construction of a high-speed aluminum ferry, including on-site manufacturing quality review.
- Evaluated vessel systems through performance analysis and operator feedback for sustained use in harsh conditions.

Guido Perla & Associates Seattle, WA
Lead Mechanical Engineer
May 2014 - April 2017

- Led designers and engineers developing shipboard systems from first-principles calculations to construction drawings.
- Ensured all ship systems met classification society criteria.

Kvichak Marine Industries Seattle, WA
Project Engineer
August 2012 - February 2014

- Developed engine support and mission-critical systems with shipyard fabricators.
- Conducted performance and safety evaluations, including inclining and seakeeping studies.
- Designed a custom hinge for a watertight hatch.

EDUCATION

ArtCenter College of Design Pasadena, CA
MS Industrial Design
August 2021 - August 2023

Webb Institute Glen Cove, NY
BS Naval Architecture/Marine Engineering
August 2008 - June 2012

SKILLS

Softgoods:
Garment pattern development in CLO3D, digital pattern cutting, sewn prototyping and toile iteration, tech packs, small-batch production

Engineering:
Structural analysis and FEA (FEMAP, SolidWorks Simulation), MathCAD, design for manufacturing, failure modes and durability

Testing:
Field testing in harsh environments, ergonomic and usability studies, competitive evaluation

CAD & Documentation:
SolidWorks, Fusion 360, Rhino, AutoCAD, CLO3D, KeyShot, Adobe CC, Microsoft Office

Projects

Workshop Warrior
Modular chore coat. Patterns drafted in CLO3D, cut on a modified Silhouette Cameo, refined in canvas toiles.

Ply (2022)
Modular, open-frame camping storage with sewn, task-based bags, informed by interviews with 7 outdoor enthusiasts and field testing.

Condense
Collapsible dew collector of layered nylon, aluminum, and insulation, each with a thermal or water-shedding job.

Se4sons
Modular shoe with seasonal uppers that swap onto a shared sole, so only the worn part is replaced.