

Carly Nakayama

Industrial Designer

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Vancouver, BC
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CORE STRENGTHS AND KNOWLEDGE

Industrial Design, Advanced Manufacturing, 3D Printing (SLS, SLA, FDM), Mass customization, Footwear, User Research, Prototyping, Appearance modeling, Project management
Software: Windows/Mac Rhinoceros 3D, Solidworks, Keyshot, G-code, Adobe CC, Canva,

EXPERIENCE

Texavie: Industrial and Apparel Designer Nov 2021-present

- Design products that utilize new and cutting edge materials in smart apparel
- Continually update products to reflect rapid advancement in materials
- Collaborate with multidisciplinary team of engineers and researchers across multiple projects
- Advocate for user experience in the development and improvement of new materials
- Drive team toward material improvements for better productization and user experience
- Balance the needs of different end users, including clinicians, consumers, and researchers
- Create and test mechanical models for fabrication in- and out- of house
- Organize and maintain product timelines

Casca: Industrial Designer Oct 2019-Oct 2021

- Design a 3D printed part that is functionally and aesthetically superior to its predecessor
- Create and continually improve methodology of fitting custom insoles
- Optimize and maintain manufacturability of 3D printed part through product updates
- Analyze root cause of failure rates and manage the course correction
- Conduct internal and external beta tests to inform product improvements
- Research new materials, manufacturing methods, and fitting methods
- Oversee in-house manufacturing of SmartFit Manage 3D printing and production technicians

Feetz: Industrial Designer and Manufacturing Lead May 2016-Jan 2019

- Designed new footwear with focus on manufacturing: time, resources, materials, customization
- Managed design projects from concept to launch, and reduced time from 16+ weeks to 8 weeks
- Launched 7 new products while maintaining manufacturability of all 11 products
- Experimented with different printing methods in order to augment materials for new designs
- Collaborated with external designers, including Studio Bitonti and Seth Aaron
- Expanded knowledge by collaborating with factories: Ktech Labs and Doolin Shoe Co.
- Trained manufacturing team on new printing, assembly, and finishing techniques
- Oversaw Feetz production over 100 production 3D printers

Ceramiche Rometti: Design Intern July 2014

- Boutique ceramics studio in Umbertide, Italy known for its graphic, avant-garde designs
- Studied traditional and modern manufacturing: slip-casting, airbrushing, throwing, painting
- Used learnings of manufacturing to create new designs

EDUCATION

University of Washington, Seattle 2011-2014: Bachelor of Design, Industrial Design