

Carly Nakayama

Industrial Designer

carly.nakayama@gmail.com

carlynakayama.com

604.999.4015

CORE STRENGTHS AND KNOWLEDGE

Industrial Design, 3D Printing, Footwear, Customization, Advanced Manufacturing, User Research, Prototyping
Software: Windows/Mac Rhinoceros 3D, Solidworks, Keyshot, Simplify3D, G-code, Adobe CC
Professional development: speaker at Inside 3D Printing, courses at Brooklyn Shoe Space, sourcing at Magic

EXPERIENCE

Casca Industrial Designer Oct 2019-present

- Design a 3D printed part that is functionally and aesthetically superior to its predecessor
- Create and continually improve methods 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

Casca 3D Manufacturing and Design Consultant Jun 2019-Oct 2019

- Assisted with 3D printed manufacturing setup
- Trained 3D printing technician on processes for 3D printed insoles and shoes
- Informed design team on best practices for development and prototyping
- Documented the processes required to print insoles and shoes

Feetz Industrial Designer and Manufacturing Lead May 2016-Jan 2019

A tech shoe company providing custom 3D printed shoes

- 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
- Designed new footwear with focus on manufacturing: time, resources, materials, customization
- Sized custom shoes using 3D scans ~500 shoes for customers
- 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 3D printers: initially 60 printers and later 100+ after expansion
- Improved print success rate from 70% to 84% by improving protocols and designing for manufacture

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