



## Andrew Dahlgren Curriculum Vitae | December 2023

### Teaching : 2008 to present

Part time faculty in undergraduate and graduate industrial design, product design, common core, and architecture programs. Responsibilities have included:

- **Teaching** : Developing syllabi, projects, and lectures as well as managing classes and day-to-day support of students.
- **Advising** : Recommending courses based on student goals and making sure undergraduate students meet university and department requirements for graduation. Overseeing graduate thesis projects, helping them complete self-directed projects, and making sure students meet their department requirements.
- **Course and Curriculum Development** : Creating new class proposals for undergraduate classes in product design and cross disciplinary studies and contributing to the development of a two year curriculum for product design masters program.
- **Department Outreach** : Developing relationships with non-academic partners including, for example, an elementary school for a site of user research and a global corporation to support a satellite studio summer project.
- **Organizing Student Work Exhibitions** : Organizing on- and off-campus exhibitions of department work and studio course work.

### University, Program, & Course History

*[A full chronological calendar of courses taught can be provided upon request]*

- **University of the Arts** [Philadelphia, PA]
  - + **Bachelor of Science in Industrial Design** : Spring 2008 to Spring 2018
    - IDES 101 . Freshman Industrial Design
    - DESN 101 . Intro to Design
    - IDES 201 . Studio 1: Mechanics & Ideation
    - IDES 231 . Design Issues Seminar
    - IDES 242 . Prototyping Design Concepts 2
    - IDES 301 . Studio 3: People & Mechanics
    - IDES 302 . Studio 4: Engaging Clients
    - IDES 401 . Studio 5: Projects Studio
    - IDES 402 . Studio 6: Senior Capstone
    - CAIN 497 . Design internship
  - + **University Common Core** : Spring 2016 to Spring 2017
    - UACC 243 . Collab: Knitting Peace
    - UACC 264 . Collab: Knit Together





+ **Master of Design In Product Design** : Summer 2016 to Spring 2023

IDES 604 . Design Methods 1  
IDES 605 . Design Studio 2  
IDES 610 . Prototyping Studio  
IDES 614 . Materials & Processes Seminar  
DESN 630 . Collab & Co-Design  
IDES 704 . Advanced Design Methods  
IDES 710 . Advanced Prototyping Studio  
Advisor for IDES 721 . Graduate Thesis

+ **Master of Design in Design for Social Impact** : Fall 2015

GRID 501 . Business Planning & Practice

o **Maryland Institute College of Arts** [Baltimore, MD]

+ **Bachelor of Design in Product Design** : Spring 2019 to Spring 2022

PRD 223 . Design for Circular Economies  
PRD 312 . Entrepreneurship Workshop  
PRD 411 . Social Innovation Workshop

o **The New School, Parsons** [New York, NY]

+ **Bachelor of Fine Arts in Product Design** : Fall 2011 to Spring 2018

PUPD 2011 . Design Studio 2  
PUPD 2020 . Prototypes 1  
PUPD 2021 . Prototypes 2  
PUPD 2030 . Models 1  
PUPD 2031 . Models 2  
PUPD 4082 . Materials 4  
PUPD 4020 . Capstone Prototypes

+ **Master of Art in Industrial Design** : Spring 2018

PGIN 5101 . Design Studio 2

o **University of Pennsylvania** [Philadelphia, PA]

+ **Bachelor of Science in Architecture** : Spring 2011 to Spring 2015

ARCH 102 . Introduction to Design  
ARCH 202 . Design Fundamental 2  
ARCH 301 . Product Design Studio

o **Temple University** [Philadelphia, PA]

+ **Master of Architecture** : Fall 2015 to Fall 2016

ARCH 8133 . Architecture Research Seminar III





## Current Work & Practices : 2017 to Present

### **Urban Manufacturing Alliance**

The Urban Manufacturing Alliance works to transform and reshape manufacturing ecosystems into drivers of just and equitable development that puts communities first. UMA partners with and convenes a diverse network of stakeholders to learn, share, co-design, and scale solutions in which people, places, businesses, and the planet can heal and thrive.

#### **Co-Director** : 2022 to present

- Provide feedback, insights, guidance and management of high level aspects of the organization, such as the direction of UMA, strategic planning, financial allocation and acquisition, staff allocation, recruiting, and hiring.
- Contribute to organizational strengthening by defining company standards and helping meet them.
- Build relationships and partnership development that will benefit the whole company.

#### **Place Program Manager** : 2021 to present

- Provide oversight on current and future direction of the program and how different activities and projects feed into one another.
- Understand the barriers designers, makers, and manufacturers face when running businesses, and understanding how entrepreneurial ecosystems can remove barriers.
- Present on our work and the work of our partners, in the form of presentations and writings. Identify new customers and places for our service provider work.
- Provide oversight to staff and contracted contributors


#### **Project Manager** : 2019 to present

- Responsible for organizing, directing, and leading all other roles, partners, and collaborators. Keeping project timeline, deliverables, and budget on track.
- Helping create content for recruiting participants and partners. Leading the reporting and documentation process

### **Product & Process Innovation: Products, Services, and Systems**

Self directed and contracted work in industrial design, product design, business development, consulting, and systems development.

#### **Design Make Studio Practice** : 2005 to present

- Designer and maker of housewares, furniture, clothing, wearable accessories, and environments through iterative material explorations.
  - Work has been self-directed and on a contract basis.
- 



## **Research + Strategy + Business Development** : 2015 to present

- Ongoing research into:
  - + Sustainable Manufacturing for Circular Economies
  - + Community Centered Industry
  - + Social, Entrepreneurial, and Technical Infrastructure for Designers, Makers, Craftspeople, and Light Industry.

## **Education + Training** : 2019 to present

- Workshops and one-on-one training with entrepreneurs and product developers, coaching them through all stages of the design process from how to refine early concepts through to how to design for manufacturing.


## **Consulting + Project Management** : 2013 to present

- Provide conceptual and technical advising for individuals and businesses that need help with product design, manufacturing strategies, and supply chain development.

## **Examples of Recent Projects**

- **MakeGood** : 2021 | Business Development
  - + MakeGood is a place for product developers and manufacturers to connect, share experiences, and discover stellar development partners in the region.
- **Manufacturing 101 and Design for Manufacturing 101** : 2021 | Training
  - + Online training for entrepreneurs developing products while being supported by Philadelphia accelerators and incubators.
- **Connecting the Dots** : 2020 | Research + Consulting
  - + Research project and strategy development to help support and grow Philadelphia's artisanal economy.
- **Innovation and Manufacturing Center** : 2020 | Research + Consulting
  - + Research project and strategy development to help define and establish the Innovation and Manufacturing Center (IaMC), a hub for women and people of color innovators and entrepreneurs in need of support developing and scaling products.
- **Growing the Philadelphia Region Textile Trades** : 2018 | Research + Consulting
  - + Research project and strategy development to help Philadelphia fashion designers and textile based manufacturers seed, start, and scale businesses.





## Previous Projects, Practices, & Employment : 2004 to 2016

### Community of Philadelphia Makers : 2015 to 2016

- **Non-Profit Project Manager and Project Founder**

- + In charge of defining and implementing the mission to: support Philadelphia makers
- + Overseeing business development of the project
- + Directing and developing programs and services
- + Managed monthly events to create new connections within and outside the maker community.

### Philly Works : 2009 to 2012

- **Project Manager, Co-Creator, and Designer of Philly Works Exhibits**

- + Responsible for organizing calls for work, curating selection, displaying products, and development of exhibit catalog.

### Urban Studio : 2009 to 2010

- **Project Manager, Co-Creator, and Designer**

- + Collaboration with designers to do design for community projects.
- + Work focused on sustainable infrastructure, focusing primarily on rain water collection, urban farming, and placemaking.
- + Projects utilized community engagement, education, and design to respond to community identified needs.

### Glueline : 2007 to 2009

- **Project manager, Lead Fabricator and Designer :**

- + Fabricated custom wooden furniture, cabinets, and architectural specialties.
- + Managed projects through all stages: from initial client meetings through design development, build schedules, and bill of material generation.
- + Created production drawings for in-house and out-sourced work.
- + Lead and oversaw production of in house work by other employees.
- + Managed company cash-flow and invoices.

### Cottam Hargrave : 2004 to 2005

- **Lead Fabricator**

- + Fabricated custom architectural specialties out of wood, metal, plywood, and glass.
- + Worked directly with residential architects at all stages of design development, from drawings to installation.
- + Involved with fabrication planning, contacting vendors, material ordering, and generating technical drawings.





## Education & Training

**Master of Industrial Design** : August 2005 to May 2007.

The University of the Arts [Philadelphia, PA]

**Bachelor of Industrial Design + Minor in Art and Design** : August 1998 to May 2002

North Carolina State University [Raleigh, NC]

**Stoll Knitting Machine Certified Training** : June 2012 to August 2012

Stoll [Reutlingen, Germany]

## Relevant Skills

### Design Processes

- + Design Strategies and Methodology
- + Market Driven Design
- + Design for Manufacturing
- + User Centered Design
- + Design+Make Practices

### Product Development and Project Management

- + Developing product and project concepts
- + Defining and leading design development processes
- + Defining and leading product delivery work plans
- + Partnership development
- + Project implementation

### Hands on Making & Fabrication

- + *Expertise:*
  - Woodworking
  - Machining
  - Machine Knitting
  - Sewing
  - Laser Cutting
  - 3D Printing
  - Model Making
  - Prototyping
- + *Knowledgeable:*
  - CNC Routing
  - Slip casting and slab built ceramics
  - 2D Textile techniques

### Design Software Expertise

- + 2D Digital Drafting and 3D Modeling -- Rhino + AutoCAD
- + Adobe Creative Suite -- Illustrator, Photoshop, InDesign





## Presentations, Participation, Publications, & Exhibitions

**Presenter** : InBIA Conference, Detroit, MI. April 2023

Connecting Product Innovation & Process Innovation:

**Lead-Researcher & Author** : Written for Urban Manufacturing Alliance. July 2022

Design Jam Reports: Detroit 2021 and Virtual Design Jams 2020

**Lead-Researcher & Author** : Written for Urban Manufacturing Alliance. February 2022

Seeding, Starting, and Scaling Local Branding Initiatives:

**Co-Researcher & Co-Author** : Written for Urban Manufacturing Alliance. June 2021

Industry & Inclusion, Manufacturing Workforce Strategies Building An Inclusive Future:

**Co-Researcher & Co-Author** : Written for Urban Manufacturing Alliance. March, 2021

Sewn Trades Manufacturing in the United States:

**Co-Researcher & Co-Author** : Written for CraftNOW. August 2020

Connecting the Dots: Philadelphia's Artisanal Economy

**Co-Researcher & Co-Author** : Written for Urban Manufacturing Alliance. June, 2020

Mission Driven Industrial Development Toolkit

**Moderator** : Delaware Valley Industrial Resource Center Manufacturing Summit. October, 2018

Developing New Collaborative Business Models Panel Discussion

**Keynote Presentation & Panelist** : Maker's Row Event. September, 2016

Made in Philly

**Panelist** : DesignPhiladelphia Event. October, 2015.

Exchange: Connecting Practices in USA + Australia

**Panelist** : DesignPhiladelphia Event. October, 2014.

Rethinking Design Education

**Panelist** : DesignPhiladelphia Event. October, 2014.

The Philadelphia Maker Movement: Toward Future Growth & Sustainability

**Presenter** : TEDxPhiladelphia. March, 2014.

What Manufacturing Taught Me About Community Building

**Presenter** : InciteXchange, Temple Fox Business School. October, 2013.

Knitting Together Yarn, Industry, and Community

**Panelist** : Moore College of Art. October, 2011.

Brilliant Simplicity By Metropolis Magazine

**Presenter** : Empowerment-Group Event. April, 2010.

Manufacturing in Philadelphia, Local Craft Industries : From Concept to Customer

**Presenter** : Global Creative Economy Convergence Summit, October 2009.

Urban Studio Project: Urban Rain Collection





## Project Installations, Work Exhibited, & Artist Residencies

### **Knit Collection Process & Samples**

Making Marks group show at Wayne Art Center. December 2016.

### **Knit Lab V7 : Community Produced Fabric Workstation**

CraftNOW at The Kimmel Center. November 2016.

### **Fiber Artwork**

Commissioned by CultureWorks. January 2016.

### **Knit Lab V6 : Make & Take Scarf Workstation**

CraftNOW at The Kimmel Center. November 2015

### **Digitally Controlled Knitting Machines & On-the-Fly Patterning**

MAKr : Digital Fabrication and Design Exhibit at Crux Space Gallery. November 2015.

### **Knit Lab V5 : Artist in Residency**

The Clay Studio Gallery. August to September 2014.

### **Knit Lab V4 : Jenny Sabin Collaboration**

Temple Contemporary Gallery. September 2013 to February 2014.

### **Knit Lab V3 : Hidden City Project Site**

Hidden City Arts Festival 2013. May to June 2013.

### **Knit Lab V2 : UArts Student & Faculty Collaborations .**

University of the Arts Fiber's Department. January to May 2013.

### **Knit Lab V1**

Maker in Residence, Philadelphia Art Alliance, August 2012.

### **Andrew Dahlgren Design Make Samples & Process :**

Philly Works Exhibit, October 2010, 2011, 2012.

### **Select Furniture & Housewares**

Philly Heart Design Exhibit. April 2007, October 2008.

### **Resident Alien Mobile Living Unit**

Exhibited at Skylight Gallery NYC. May 2006.

### **“Unhome Shelter in a Cart” Concept**

Exhibited at Korean Design Fair, October 2006.







## Press

**“Building a support system for Philly-based design and manufacturing”**

Grid [magazine], November 2015

**“Play It Again Art”,**

Articulate [local PBS television show], July 2015.

**“Up to speed with ‘slow textiles’ ”,**

Philadelphia Inquirer [newspaper], October 2014.

**“Making Sense”,**

A documentary by Alex Schein, May 2014.

**“Rethinking the Future and Being of Philly”**

Philly.com [online newspaper], March 2014

**“Textile Artist Knits Sweater’ for South Philly Synagogue”**

Newsworks [local NPR radio show], June 2013.

**“Knit Lab Explores Surprising Future of Ancient Craft”**

Newsworks [local NPR radio show], August 2012.

**“Knitting Philadelphia Together”**

Metropolismag.com [online magazine], November 2011.

**3 x 5 Modular Furniture Project**

Featured in Italian Glamour [magazine], December 2007.

**Resident Alien Mobile Living Unit Project**

Featured in Inhabitat.org [blog], July 2006.

## Awards

**G. Holmes Perkins Undergraduate Teaching Award** : Spring 2012

The University of Pennsylvania

