

# Kevin M.K. Dartt

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United States Citizen

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## EDUCATION

Alfred University

Master of Fine Art in Sculpture: May 2015

Binghamton University, State University of New York

Master of Science in Mechanical Engineering: May 2011

## PROFESSIONAL PUBLICATIONS

- Engineering Master's Thesis: Computational modeling and optimization of an iron melting cupollette furnace that uses a mathematical program to determine the temperature distribution and temperature of the molten metal.
- Presenter at the 2015 National Conference on Contemporary cast Iron Art at SLOSS furnaces in which I talked about the thermodynamics of alternative fuels and the furnaces that use them.
- Presenter at the 2012 Nor'easter Iron Conference at Buffalo State University talking about the fundamentals of thermodynamics inside a coke fired iron furnace.
- Published article for the 2009 Frontiers in Education conference about the collaboration between student engineers and artists in a senior engineering project and the design process shared in both disciplines.

## SKILLS

- Ability to fabricate complex structures with TIG or MIG welding systems.
- 10 years of experience metal casting, mold and pattern making.
- Skilled in computer modeling software such as Solidworks and ProE.
- Skilled in Adobe Software, specifically Photoshop, Illustrator and After Effects
- Proficient with digital technologies including 3D printers, laser scanners, laser cutters and CNC machines.
- Strong aptitude of Microsoft Suite including MS Project.
- Experience with GD&T and generating engineering documents.
- Capable of communicating complex ideas to an audience with broad backgrounds.
- Ability to work with teams to see the broader focus of larger projects.
- Ability to be direct groups in activities ranging from discussions to labor intensive projects.

## PROFESSIONAL EXPERIENCE

### Independent Artist/Designer

May 2009 – Present

- Receive commissions to create fine art pieces, personalized products, prototypes and computer models.
- Work with clients through the life cycle of a commission from initial concepts to final product.
- Generate documents used for budgets, timelines, presentations and fabrication schematics.
- Manage multiple projects at once as well as the facilities to make them.
- Research new materials, processes, methods and existing products to create efficient and functional objects.

### Alfred University

1 Saxon Drive, Alfred, NY

Teaching Assistant

August 2013 – May 2015

- Intro to Sculpture: Taught students the fundamentals of design and the importance of project management.
- Foundry: Assist in teaching different techniques and conceptual aspects of casting metal.
- Freshman foundations: Facilitate in critical analysis of student work giving advice in technique and practice.

### Keystone Iron Works at Keystone College

1 College Rd, La Plume, PA

Visiting Artist and Teacher

June 2014

- Taught a range of local high school students the fundamentals of iron casting and assisted visiting artist in their mold making, gating and chasing necessities.
- Assisted in the annual iron pour as part of the local Arts on Fire Festival.

### Massachusetts Museum of Contemporary Art

87 Marshall St. North Adams, MA

Visiting Curatorial Artist

October 2012 – Jan. 2013

- Assisted in the installation of fine art pieces specific to artist Xu Bing.
- Fabricated custom design elements and structures to support the display of artwork.
- Consulted on technical and structural requirements to install large sculptural pieces.

### Binghamton University, State University of New York

4400 Vestal Parkway East, Vestal, NY

Teaching Assistant

August 2008 – May 2010

- Head teaching assistant for the freshman engineering program which covered fundamentals of engineering design.
- Developed assignments and lectures for the laboratory section of the freshman engineering program.
- Help lead discussions about pedagogy and curriculum development with other teaching assistants.

## **RESIDENCIES**

### **Salem Art Works**

Emerging Artist Resident: Iron Shop Technician

19 Cary Ln. Salem, NY  
**August 2012 – Oct. 2012**

- Responsible for the maintenance of foundry equipment, safety and proper tool usage.
- Taught fundamentals of multi-piece sand molds and iron casting from a cupollette furnace.

### **Chicago Sculpture Works**

Artist in Residence: Artist Assistant

1510 West Fulton St. Chicago, IL  
**August 2011 – Dec. 2011**

- Assisted artists in producing sculptures requiring a broad range of materials and skills for public art projects.
- Fabricated steel elements used in structural art pieces.
- Generated computer models and documents of sculptures to be used for presentation and fabrication purposes.
- Consulted on aesthetes and structural necessities of sculptures.

## **FELLOWSHIPS**

### **Franconia Sculpture Park**

Open Studio Fellow: Built a large scale sculpture on the grounds of the park.

29836 St Croix Trail, Shafer, MN  
**April – Jun3 2013**

## **RECENT EXHIBITION RECORD**

### **2015**

*Festival of Light* Outdoor Group Show, Rochester NY

*SHOWROOM* MFS Thesis Show, Turner Gallery, Alfred NY

*Mt. Marcy Couch* Sculpture on the grounds of Governor's Island, NYC

### **2014**

*Alumni Art Show 2014* Juried show, Binghamton University Art Museum, Binghamton NY

### **2013**

*Ember* Sculpture on the grounds of Salem Art Works, Salem NY

*Made In NY* Juried show, Schweinfurth Memorial Art Center, Auburn NY

*Sapling* Sculpture on the grounds of Franconia Sculpture Park, Franconia MN

*LittleSCULPTURE* The Fountain Head Studios, Miami FL

*Somatica* Collaborative Installation as part of Gaudeamus Muziekweek, Vredenburg Leeuwenbergh, Netherlands

*Columbus Iron Sculpture Exhibition* Columbus Area Arts Council, Columbus IN

### **2012**

*New works 2* Person Show, AFA Gallery, Scranton PA

*Ernst while* Sculpture on the grounds of Scottish Sculpture Workshop, Lumsden, Scotland

*Permanence: Selected works from the collection* Solo Exhibition, Beard Galley, Cortland NY

*Members Show* Rochester Contemporary Art Gallery, Rochester NY