

Daniel Buchanan

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Skills

Fabrication and Shop Skills

Proficient in operation and maintenance of all wood working equipment, ferrous and non-ferrous metal welding and cutting, non-ferrous metals casting, CNC operations, laser cutter, vacuum forming, urethane and silicone rubber mold making and casting, ceramic and glass kilns, paint spray booth processes, acrylic and styrene fabrication, and general mechanical skills. Also proficient in general carpentry and building maintenance and repair.

Desktop Publishing, Computer Graphic, and Web Creation

Proficient in Office Suite, Adobe Creative Suite (including Illustrator, Photoshop, Flash, Dreamweaver). Google Drive, Calendar, and Sketchup. Familiar with multi-channel projectors, audio/visual equipment, and film projection.

Language

Proficient in Spanish conversation and reading.

Work Experience

Lead Tooling and Mold Maker/Process Designer, TAKTL Llc., Pittsburgh, PA 2010-Present

- Design and create production molds for high-performance concrete landscape furniture product line and building façade projects.
- Create original models from specifications and work with designers and project managers to develop ongoing projects, including creating CNC routed and handbuilt models.
- Maintain wood working, metals, and urethane rubber mold shop.
- Create and execute industrial safety training program for wood, metal, and mold shops, work with designers and project managers on ongoing projects, and develop new products and processes for company.

Prototype Builder, Davison Designs Inc., Pittsburgh, PA 2010

- Worked with product designers to execute clients' specifications in creation of prototype models for invention development company.
- Operated standard wood shop equipment, metal-milling machine, metal welding, CNC plasma cutter, plastic fabrication and 3D printing, laser cutter object design and operation, paint spray booth operation, urethane and silicone mold making, and OEM product modification.

Studio Assistant, Andrew Johnson Pittsburgh, PA 2008-2010

- Produced life-cast and waste-mold resin and plaster sculpture for professional artist for exhibition, include artwork shown at The Mattress Factory Annex (Pittsburgh, PA).

Adjunct Art Instructor, Carnegie Mellon University Pittsburgh, PA 2009

- Designed and taught ceramic sculpture classes for CMU's summer Pre-College program.
- Assisted in Steel Sculpture Pre-College course.

Project Facilitator, The Hill House Pittsburgh, PA 2007

- Conducted a five week program for local youth creating an independent publication.
- Helped youth creating writings incorporating creative expression, present concerns, and local history.

Art Teacher, YouthPlaces Pittsburgh, PA 2007

- Instructed week long classes teaching inner-city youth basic sculpture and 3D principles.

Reception Facilitator, Regina Gouger Miller Gallery, Carnegie Mellon University, Pittsburgh, PA 2008-2009

- Worked directly with gallery director in planning and execution of gallery receptions and managing student employees.

Studio Assistant, Flo Perkins, Beaver Studios, Espanola, NM 2000

- Assisted in production of hot glass and steel sculpture for national and international galleries.

Studio Assistant, Morrisey Studios, Santa Fe, NM 1998–2000

- Built hot glass studios and equipment for professional artists in the Santa Fe area.
- Assisted artist with hot glass and blacksmithing operations.

Education

Carnegie Mellon University, Pittsburgh, PA 2005–2008

Bachelor of Fine Arts in Studio Arts, concentration in Sculpture, Installation, and Site-Work
University and College Honors

Tulane University, New Orleans, LA 2004–2005

Honors

Arthur Vining Davis Foundations Fellowship, Carnegie Mellon University 2007

Sally Gehl Sophomore Award, Carnegie Mellon University 2006

Exhibitions/Collections

Pittsburgh Glass Center, Pittsburgh, PA 2015-2016, Shop Artist

Mansions on Fifth Avenue Collection Pittsburgh, PA 2015-2016

Pittsburgh Center for the Arts Pittsburgh, PA, 2013-16, Museum Shop Artist

54/50 Modern Pittsburgh PA, 2013, “Elements” Group Show

Three Rivers Arts Festival Pittsburgh, PA, 2010, Group Show

Luke and Eloy Gallery, Pittsburgh, PA, 2009, “Double Vision” Group Show

Fe Gallery, Pittsburgh, PA, 2008, In the Making: 250 Years/250 Artists

Unsmoke Systems, Braddock, PA, 2008, Group Show

Frame Gallery, Pittsburgh, PA, 2006-08, Sculpture, Prints and Video

Carnegie Mellon University, Pittsburgh, PA, 2007, Laser print, Permanent Collection

Schenley Park, Pittsburgh, PA, 2006, Temporary outdoor installation entitled “Critters”

Schenley Park, with Pittsburgh Parks and Gardens, Pittsburgh, PA, 2006, Permanent outdoor installation entitled “Garden Plots”

Ellis Gallery, Carnegie Mellon University, Pittsburgh, PA, 2006, Solo exhibition entitled ‘Shelf Life/Tired Things’

Gallery Z. Providence, RI, 2004, Juried Group Exhibition, Sculpture

Community College Rhode Island, Warwick, RI, 2003, Artist Book, Permanent Collection

Good Hands Gallery, Madrid, NM, 1999 and 2000, Group Exhibitions, Jewelry and Metalwork