# *Joshua*
## H A L D E M A N

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## *Education*

**The Ohio State University**
1999 Bachelor of Science in Industrial Design
Cum GPA: 3.34 Dean's List for 7 terms

## *Professional History*

### *Industry Experience*

2/00 – Present
**Terradise Design**, Cincinnati, Ohio
Founder & Principal

2001
**Gravity Design**, Cincinnati, Ohio
Freelance Industrial Designer

2001
**Anza Product Development Specialists**, Cincinnati, Ohio
Freelance Industrial Designer

4/00-2/02
**Fisher Design**, Cincinnati, Ohio
Freelance Industrial Designer

1997
**Procter & Gamble**, Cincinnati, Ohio
Corporate Packaging Division
Research Associate Intern

## Academic Experience

2004-Present
Cincinnati State Technical & Community College, Cincinnati, Ohio
Center for Innovative Technologies
Industrial Design Technology Program

> 2009-2014 Program Chair, Industrial Design Technology
> 2004-2009 Adjunct Faculty

1996-1999
The Ohio State University, Columbus, Ohio
College of Engineering
Department of Civil, Environmental and Geodetic Engineering
Engineering Graphics 121

> 1997-1999 Senior Teaching Assistant
> 1996-1997 Teaching Assistant

## Interests

Industrial Design
Design Curriculum Development
Design Drawing
Computer Modeling
3D Printing
Painting
Drawing
Airbrushing

## Honors, Awards, & Recognition

2014 Volunteer of the Year, FIRST Robotics Queen City Regional
2013 Starfish 360 Rising Star Award, Core Implementation Team Member
US Patent Holder, Hobart Mixer Control Interface
Alpha Lambda Delta Honor Society, Member
Phi Eta Sigma Honor Society, Member

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## *Teaching Experience*

Cincinnati State Technical & Community College, 2004-Present

First Year Level

Terms
IT-5400 Design Principles
IT-5404 Design Drawing for Multimedia 1
IT-5441 Beginning 2D Graphics: Bitmap
IDT-7801 Introduction to Industrial Design
IDT-7805 Rapid Visualization
IDT-7825 Human Factors
IDT-7850 Introduction to Computer Modeling
MET-7120 Mechanical Engineering Technology CAD 2

Semesters

IDT-100 Introduction to Industrial Design
IDT-125 Human Factors
IDT-150 Computer Modeling
MID-110 Digital Media Concepts

Second Year Level

Terms
IDT-7855 Advanced Computer Modeling
IDT-7870 Introduction to Model Making and Prototyping
IDT-7880 Advanced Model Making and Prototyping
IDT-7890 Industrial Design Technology Capstone
MET-7121 Engineering Drawing 2 with AutoCAD
MET-7122 Mechanical Engineering Technology CAD 3

Semesters
IDT-210 Model Making & Prototyping
IDT-290 Industrial Design Technology Capstone

Numerous independent study courses at first and second year levels

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## *Curriculum Development*

### Industrial Design Technology Curriculum Development for Terms

Co-led the effort to establish the industrial design technology curriculum at Cincinnati State with Larry Feist. Worked with DACUM and advisory committee to establish program positioning and identify regional industry expectations and goals. Worked with college and division faculty and administrators to implement curriculum between 2002 and 2004.

### Industrial Design Technology Curriculum Development for Semesters

Led the effort to convert our two year IDT curriculum from 9 week terms to 15 week semesters. Work on the conversion began in 2010, in preparation for the start of semesters in the fall of 2012.

### IDT-7801 Introduction to Industrial Design

Led the effort to develop and implement content, and recruit adjunct faculty for this first term introductory course which began early fall term, 2006.

### IDT-7805 Rapid Visualization

Led the effort to develop content and recruit adjunct faculty to teach this first term design sketching principles course which began early fall term, 2006.

### IDT-7825 Human Factors

Led the effort to develop and implement content for this second term theory course, which began winter term, 2004.

### IDT-7850 Computer Modeling 1

Led the effort to develop and implement content for this third term technology course, which began spring term 2004.

### IDT-7855 Computer Modeling 2

Led the effort to develop and implement content for this fifth term technology course, which began summer term 2004.

### IDT-7870 Model Making/Prototyping

Led the effort to develop and implement content, and recruit adjunct faculty for this seventh term technology course, which began late fall term 2004.

### IDT-7880 Advanced Model Making/Prototyping

Led the effort to develop and implement content, and recruit adjunct faculty for this eighth term technology course, which began winter term 2007.

### IDT-7890 Industrial Design Project

Led the effort to develop and implement content, and recruit adjunct faculty for this tenth term capstone course, which began spring term 2005.

### IDT-100 Introduction to Industrial Design

Led the redesign and implementation of this first term introductory course for semesters.

### IDT-105 Rapid Visualization
Led the redesign and assisted with implementation of first term design sketching principles course for semesters.

### IDT-120 Materials and Manufacturing Processes
Led the development and assisted with implementation of this second term theory course for semesters. Recruited adjunct faculty.

### IDT-125 Human Factors
Led the development and implementation of this second term theory course for semesters. Recruited adjunct faculty.

### IDT-150 Computer Modeling
Led the redesign and implementation of this second term technology course for semesters. Recruited adjunct faculty.

### IDT-210 Model Making and Prototyping
Led the redesign and implementation of this third term technology course for semesters.

### IDT-220 CNC/CAD-CAM
Assisted with the development and implementation of this third term technology course for semesters. Recruited adjunct faculty.

### IDT-290 IDT Capstone
Led the redesign and implementation of this fourth term technology course for semesters.

## Advising

2009-2014
Academic advisor for all fully admitted first and second year Industrial Design Technology students.

## Presentations

The Power and Purpose of Getting Involved in Science and Technology at a Young Age, FIRST Robotics Queen City Regional VIP Event Keynote Speaker, March 28th, 2014

Industrial Design Technology 3D Printer Demonstration, Engage Community Showcase, November 14-15, 2013

Under the Sea; Starfish Retention Solutions, Cincinnati State Convocation Breakout Session, November 12, 2013

Game Changer: What 3D printing means to Manufacturing, GCFTA Meeting, October 17th, 2013

Teaching Breakthroughs in Classroom Management and Course Delivery, Peer Mentoring Panel Session, March 11th, 2013

Elluminate Live Demonstration, OETC Conference, January 31st, 2011

## *Published Interviews, Articles, and Photos*

3D Printers Set to Revolutionize Manufacturing, Southern Region Printing Week Council Gazette, 2014

3-D Manufacturing next Industrial Revolution?, Dayton Daily News, November 5th, 2013

College Shows off 3-D Printing, Middletown Journal-News, July 30th, 2013

Cincinnati State will Demonstrate Latest 3D printer, Recognize Donor, My CState Daily News, July 30th, 2013

Achievements, CIT Division Newsletter, May 2013

Bringing the Latest Generation of 3D Printing to Cincinnati State, My CState Daily News, April 1st, 2013

Building a Better Toaster, My CState Daily News, November 2nd, 2012

Cincinnati State Building on Success, The Cincinnati Enquirer, September 19th, 2012

Industrial Design Capstone: From Eye to Ear, My CState Daily News, February 2nd, 2012

Passing time with Style, My CState Daily News, January 31st, 2012

The Souls of the Machines, My CState Daily News, December 5th, 2011

Cincinnati State Adapts to Survive, The Cincinnati Enquirer Cover Story, September 19th, 2011

Reinventing the Future, My CState Daily News, August 26th, 2011

Capstone Audience, My CState Daily News, June 20th, 2011

Industrial Design Capstone, My CState Daily News, February 1st, 2011

Concept artist with Hollywood background to visit Cincinnati State, My CState Daily News, April 28th, 2011

## *Service*

### *College Service*

2009-2014
Commencement Ceremony
Volunteer

2009-2013
Convocation
Participant
Led 2013 Break-out session presentation on Starfish student retention software

**2011, 2013**

Humanities & Sciences Division

Served on hiring committees for two new hires for the Academic Foundations Math program and one new hire for Information Management within this division.

**2012-2014**

Fast Track Student Enrollment Events

Served as an advisor at numerous "Fast Track" events, which allow students to enroll at the college, take compass testing, get academic advising and sign up for first term classes all in one day.

**2012-2014**

Program Advisor and Co-op Employer Appreciation Event

Volunteer, speaker for this annual college event

**2012-2013**

Starfish Retention Solutions

Core implementation team member, responsible for making initial software recommendation, building progress survey questions, pilot-testing of retention tools and recommending policy language for successful college-wide integration of this student retention tool.

**2011-2013**

New Student Orientation

Served as a tour guide, advisor and divisional meeting director for newly enrolled students at the college.

**2012**

Internal Online Course Evaluation

Completed internal review of PSY-210, as developed by instructor, Paula Bennett-Powell.

**2012-2014**

AAUP Kenneth V. Stoll Scholarship Award

Evaluated student applications for this annual $2000 faculty union scholarship award.

**2009-2014**

Cincinnati State Robotics Club

Faculty Advisor

**2011-2012**

Cincinnati State Green Tones Choir

Co-Founder, Member and Graphic Designer

**2011-2013**

Cincinnati State FIRST Lego League Regional Robotics Tournament

Event Co-Coordinator

2012
3D Systems V-Flash 3D Printer
Self-trained to use, maintain and troubleshoot printer.

2011-2012
Cincinnati State Invention Convention
Welcoming Address Speaker
Project Judge

2009-2010
eAdvising Software Implementation
Committee Member, Staff/Faculty Trainer

## *Program Service*

2009-2014
Adjunct Instructor Recruitment

2009-2014
Industrial Design Model Shop Building/Improvements

2013
Makerbot Replicator 2 3D Printer
Co-led effort to secure the donation of $2500 from Advertiser Printers, Inc. to purchase this equipment for our model shop.

2013
P&G Higher Education Grant
Wrote and submitted $8271.00 grant for IDT lab equipment.

2012
Transfer Agreement between Cincinnati State and College for Creative Studies - Detroit, Michigan
Wrote and had a transfer agreement approved between Cincinnati State and CCS. Terms of the agreement include the acceptance of 54 credits from Cincinnati State towards the completion of the Bachelor of Arts, Product Design program at CCS.

2012
MasterCAM X7 Upgrade
Upgraded to the latest version of MasterCAM to continue offering the most relevant experience for students in our CNC/CAD-CAM course.

**2012**

### Bunkspeed Pro Software Upgrade

Purchased upgrade to Bunkspeed Shot through department budget, which allows students to create animations using real-world physics in addition to rendering stills.

**2011**

### MasterCAM X6 Software

Petitioned CIO to purchase this software with school's IT budget to enhance our CNC/CAD-CAM course planned for semesters.

**2011**

### Andrew Probert Presentation & Drawing Clinic

Responsible for bringing Mr. Probert to Cincinnati State to discuss his work on movies and television and lead a drawing clinic for fledgling industrial design students.

**2011-2012**

### Semester Transition

Industrial Design Technology Curriculum Development

**2010**

### Bunkspeed Shot Software

Acquired software to improve rendering capabilities for computer models.

**2010**

### IDT Lab Upgrades

Wrote requisition for purchase and installation of $9472.00 worth of essential lab equipment, including Formech FM660 vacuum former and stainless steel sink.

### Presentations at Numerous Area High Schools and Junior High Schools including:

Milford High School, March 11th, 2014
Colerain High School, February 21st, 2014
Kings Junior High Career Day, April 5, 2012

### Numerous Area School and Individual Tours of Our Labs including:

Milford High School, April 11th, 2014
Cincinnati Christian School, November 29th, 2013
Richard McKenzie & Family, September 4th, 2013
Margaret Hanson & Family, May 3rd, 2013
Oak Hills High School – Design Student Visit, April 26th, 2013
Hughes STEM High School – November 13-16, 2012
South Dearborn Middle School – May 14th, 2012

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## *Committee Service*

2011-Present
Academic Technology Committee
Chair 2012-2013
Led or Co-led these initiatives at the college during my tenure as chair:
- Improved communication between committee, faculty senate and college faculty
- Effort to launch semester formatted online course shells for Blackboard
- Effort to coordinate Cincinnati State West Campus wireless internet installation
- Installation of "Internet Café" in the lobby of the HPS Building on the Clifton Campus
- Effort to develop staff/faculty directory for public college website
- Effort to get college floor plans on our website
Served on numerous subcommittees evaluating software for the college, including: LANSchool, Starfish, R3, Elluminate Live, Datatel Colleague eAdvising,

2012
Middletown Campus Development Committee
IT Infrastructure subcommittee faculty representative

2012-2014
Professional Development Committee
Member
Led effort to centralize college training opportunities on college intranet site

2012-2014
Academic Advising Council
Member
Led effort to create PDF version of college advising manual
Led effort to create, manage and distribute list of advisors, college-wide

2011-Present
American Association of University Professors
Communications Committee Member

2010-2012
Semester Transition Process
Technology Committee Member

## *Community Service*

2013-Present
IDSA Southern Ohio Chapter
Chair

2013
Cincinnati Mini Maker Faire
3D Printing Demo Exhibitor

2013
Makerbyte Design Newsletter
Frequent contributor of calendar of events

2013
ENGAGE Educators Meeting
Participant in this event aimed at building awareness of college programs among local area high school educators.

2012-2014
IDSA@UC Student Merit Awards
Judge

2012-2014
Student Support Initiative
Donor to help pay tuition for students who are experiencing financial difficulty.

2009-2013
Holiday Luncheon Food Drive
Donor

2011-Present
May We Help
Volunteer

2011-Present
FIRST Robotics Competition - Queen City Regional
Planning Committee Member
VIP Event Co-Coordinator

2011-Present
FIRST Robotics Competition - Team 144 and 1038
Team Mentor/Coach (specializing in CAD and Computer Animation)

2011-2013
FIRST Lego League – Cincinnati State Regional Tournament
Co-Coordinator with Abbey Yee

2011-Present
FIRST Lego League – Numerous Regional and State Tournaments
Head Robot Design and Project Judge
Project Judge
Robot Design Judge
Core Values Judge
Field Referee

2011-2012
iSpace Space Day Celebration
Volunteer (ran robotics activity)

2011
American Cancer Society
Annual Fund Supporter

2010
FIRST Tech Challenge – Regional Robotics Tournament
Robot Design Judge

2010
Tristate Energy Collaborative (Non-profit organization)
Brand Identity including logo and brochure development

## *Professional Development*

### *Certifications*

Elluminate Online Classroom Software, Moderator Certification
Sharepoint Governance Completion, Max Technical Training
Child Safety Training for Abuse Prevention, Protect My Ministry

### *Courses, Presentations, Conferences, Training, and Webinars Attended*
2014 The Atlantic "Building the Future" event at Siemens – Norwood, Ohio
2013 IDSA Central District Conference, "Design Your Ecosystem" - Cleveland, Ohio
2013 Building Community, Peter Block – Cincinnati State
2013 Teaching & Learning Using Brain Functioning Research, Lisa Lucas, Julie Klensch, Dr. Athealia Bell – Cincinnati State
2013 CCS Teacher Fly-In Weekend – Detroit, Michigan

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2013 Haas Distributor Open House – Mason, Ohio

2013 Online Science Labs – Cincinnati State

2013 OACC Student Success Center Presentation by Ruth Silon, Executive Director – Cincinnati State

2012 IDT-220 CNC/CAD-CAM with Mike Palmisano – Cincinnati State

2012 IDT-120 Materials and Manufacturing Processes with Howard Baum – Cincinnati State

2012 Blackboard 9.1 Overview – Cincinnati State

2012 Creating The Resilient Workplace, Professor Alan Hedge, PhD, CPE, FHFES, FIEHF, FIEA – Covington, Kentucky

2012 NX 8 CAD Test Drive – Webinar

2012 GrabCAD Insiders – Webinar

2012 Design Strategies for Improving a Product's Lifetime, Kurt Howard, IDSA – Webinar

2012 Teaching to the Rhythm of Semesters Workshop – Cincinnati State

2011 IDSA Mideast District Conference, "Design Experience" - Cincinnati, Ohio

2011 IDT-7825 Human Factors with Howard Baum – Cincinnati State

2011 Andrew Probert, Hollywood Concept Artist Drawing Clinic

2011 Spencer Nugent (Sketchaday.com) Drawing Clinic – University of Cincinnati DAAP

2011 Advanced Materials with Shot Pro, Amanda Carlson, Bunkspeed – Webinar

2011 Advanced Tips and Tricks with Bunkspeed Move, Leon Carpenter, Bunkspeed - Webinar

2011 Introduction to the Quality Matters Rubric, Kathy Frolian - Webinar

2011 Classroom Shooter Training - Cincinnati State

2011 Delivering Reality in the Virtual World – Experience your product before it is built, Kurt Howard, IDSA – Webinar

2010 Delivering Quality Presentations, Debra Jasper, Betsy Hubbard – Cincinnati State

2010 Simple Strategies for Delivering Legendary Customer Service – Cincinnati State

2010 Academic Advising and Classroom Strategies for Retention, Soni Hill, Dr. Athealia Bell – Cincinnati State

2010 Bunkspeed Move, Sheri Miller - Webinar

2010 Datatel Colleague eAdvising Training – Cincinnati State

2009 IDT-7805 Rapid Visualization with David Schwanemann – Cincinnati State

2009 Datatel Colleague Training – Cincinnati State