

JAMES T. HALIBURTON PhD AIA LEED AP
CURRICULUM VITA

Professional Contact Information

1711 Cavitt Ave
Bryan, TX
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Academic Contact Information

Department of Architecture
3137 TAMU
College Station, TX 77843-3137
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EDUCATION

Earned Degrees:

Texas A&M University	Doctor of Philosophy, Architecture	2016
Dissertation title: <i>Building Information Modeling and Small Architectural Practice: An Analysis of Factors Affecting BIM Adoption</i>		
Texas A&M University	Master of Architecture	2004
2004 Edward J. Romienic Graduate Award recipient		
Texas A&M University	Bachelor of Environmental Design	2000

Certificates:

Architectural Association, London, UK	2019
<i>Digital Design and Robotic Fabrication</i>	

PROFESSIONAL REGISTRATIONS

Registered Architect, State of Texas	No. 20869
National Council of Architectural Registration Boards certification	No. 65847
LEED Accredited Professional	No. 10115623

EMPLOYMENT

ACADEMIC APPOINTMENTS

Lecturer, Texas A&M University Department of Architecture, Fall 2014- Current
Associate Department Head, Master of Architecture Program Coordinator Fall 2017 - Current
2017 *Undergraduate Faculty Award recipient*
Visiting Assistant Professor, Prairie View A&M University, September 2009 to May 2013
2011 *Undergraduate Faculty Award recipient*
Graduate Assistant, Teaching, Texas A&M University, September 2002 - August 2007

PROFESSIONAL APPOINTMENTS

Principal and VP of Design, Singleton Zimmer and Haliburton Architecture, April 2014 – Present
Senior Project Architect, Wingate Hughes Architects, July 2013 – March 2014
Independent BIM Consultant, September 2009 - Present
Architect, Jim Singleton Architects, Bryan Texas, May 2005 – June 2013
Intern Architect, Wilson Douche Architects, May 2001 – August 2001

BIM CONSULTING

AREAS OF SPECIALIZATION

SMARTreview – Automated Code Review
BIM software/process implementation and training
Design and Production Workflow optimization
BIM Standardization
Parametric Component Generation

TECHNOLOGY AND SKILLS EXPERIENCE

Certified Auto-body technician, Amarillo College, Amarillo, Texas (1994 - 1995)
Journeyman carpenter, Morgan Trim Inc., Canyon Texas (1993 - 2000)
Mechanic, Rent-A-Wreck, College Station, Texas (1997 -1998)
Stained Glass window designer/fabricator, Foster Stained Glass, Bryan, Texas(1998 - 2004)
Multiple CNC machines - Anderson Stratos Pro & Cosmec NR series
Multiple 3D printing platforms -- powder resin and filament (Prusa I3 MK3)
Major softwares including: AutoCAD, Rhino, Grasshopper, Revit, Dynamo, Robot, Karamba, ArchiCAD
Coding background: C++, Python, and Arduino

SCHOLARLY WORK

Haliburton, J. (2016) Building Information Modeling and Small Architectural Practice: An Analysis of Factors Affecting BIM Adoption, Doctoral Dissertation, Texas A&M University

Ozener O, Ergen E, Haliburton J. (2012) Transformation of Housing Production through Building Information Modeling and Integrated Project Delivery, Proceedings of the 38th IAHS World Congress Istanbul, Turkey. April 16-19, 2012, pp. 149

Barekati, Ehsan; Haliburton, James; Clayton, Mark; Ozener, Ozan (2012) *Signature Architecture Franchising: Improving Average Architecture Using BIM*, Digital Aptitudes + other openings [ACSA 100th Annual Meeting Conference Proceedings] Boston, MA, March 1-3, 2012, pp. 240-249

Haliburton, James; Clayton, Mark; Ozener, Ozan; Farias, Francisco; Jeong, Woonseong (2011) *Parametric Modeling and BIM: Innovative Design Education for Integrated Building Practices*, Parametricism (SPC) [ACADIA Regional 2011 Conference Proceedings / ISBN 978-0-615-47969-9] University of Nebraska, Lincoln March 10-12, 2011, pp. 243-249

Clayton, Mark J.; Ozener Ozan; Haliburton, James; Farias Francisco (2010) *Towards Studio 21: Experiments in Design Education Using BIM*, SIGraDi 2010_Proceedings of the 14th Congress of the Iberoamerican Society of Digital Graphics, pp. Bogotá, Colombia, November 17-19, 2010, pp. 43-46 http://cuminCAD.scix.net/cgi-bin/works/Show?sigradi2010_43Oezener,

Ozener, Ozan; Jeong, Woonseong; Haliburton, James; Clayton, Mark J. (2010) *Utilizing 4D BIM Models in the Early Stages of Design*, FUTURE CITIES [28th eCAADe Conference Proceedings / ISBN 978-0-9541183-9-6] ETH Zurich (Switzerland) 15-18 September 2010, pp.89-96 http://cuminCAD.scix.net/cgi-bin/works/Show?ecaade2010_058

Ozener, Ozan Oender; Farias, Francisco; Haliburton, James; Clayton, Mark J. (2010) *Illuminating the Design: Incorporation of natural lighting analyses in the design studio using BIM*, FUTURE CITIES [28th eCAADe Conference Proceedings / ISBN 978-0-9541183-9-6] ETH Zurich (Switzerland) 15-18 September 2010, pp.493-498 http://cuminCAD.scix.net/cgi-bin/works/Show?ecaade2010_056

Haliburton, James; Anz, Criag K.; Nichols, John; (2007). *Exploring a Tectonic Isomorphism Through Finite Element Analysis*. in G. Andonian and G. Lasker, (Ed.), *IIAS-2007 Systems Research and Cybernetics, Volume I: Advances in Architecture, Urbanity, and Social Sustainability*, pp. 33-38.

PODCASTS

Haliburton, J. Contributor. "Dissecting the Code, Part 5 – Code Review, Meet Automation." ArchitectChats Ep. 20. March 30, 2018, http://www.architectmagazine.com/technology/architectchats-ep-20-dissecting-the-code-part-5-code-review-meet-automation_o

PROFESSIONAL PRESENTATIONS

Haliburton, J. & Clayton, M. (2019, October). *Robots want to do our code review: Should we let them?* Presentation given at the 80th annual Texas Society of Architects Convention in Galveston, TX

Haliburton, J. (2016, April). *Leadership in the Built Environment: A New Paradigm—Learning Leadership from Study* Presentation given at the 25th annual Rowlett Lecture Series at Texas A&M University

Haliburton, J. & Kinnard, J. (2011, October). *Balancing BIM: Re-Defining Professional Design Services*. Presentation given at the 72nd annual Texas Society of Architects Convention in Dallas, TX

Haliburton, J. & Kinnard, J. (2010, April). *BIM Catalyzing Construction for Education: Leveraging BIM Processes and Technologies for Education*. Presentation given at the Council for Educational Facility Planners International Southern Regional Conference, Ft. Worth, TX

Haliburton, J. & Kinnard, J. (2009, October). *BIM Power for Small Firms: Leveraging Processes and Technologies for the Small Firm*. Presentation given at the 70th annual Texas Society of Architects Convention in Houston, TX

WORKSHOPS

Haliburton, J (2018 Speaker). *BIM and Automated Code Review: Viewing Building Codes as Design Tools*. Workshop at the 2018 AIAS Forum in Seattle Washington.

Clayton, M. & Haliburton, J. (2011, September). *The BIM Singularity—it is farther than you think*. Lecture and workshop held at the 2011 Association of Colligate Schools of Architecture (ACSA) Fall Conference in Houston, TX

COURSES TAUGHT AT TEXAS A&M UNIVERSITY

2002	ENDS 211	Architectural Detailing
2007	ENDS 231	Architectural Structures
2014	ARCH 305	3 rd Year Design Studio
2015	ARCH 306 and ARCH 405	3 rd and 4 th Year Design Studio
2016	ARCH 206	2 nd Year Design Studio
2016	ARCH 405	4 th Year Integrated Studio
2017	ARCH 406, ARCH 607	4 th Year Design Studio
2018	ARCH 608, ARCH 607	Graduate Thesis Design Studio
2019	ARCH 608	Graduate Thesis Design Studio
2020	ARCH 608	Graduate Thesis Design Studio
2020	ARCH 631	Graduate Architectural Structures

COURSES TAUGHT AT PRAIRIE VIEW A&M UNIVERSITY

2009, 2010, 2011	ARCH 4973	Building Information Modeling
	ARCH 5973	Building Information Modeling
2012	ARCH 4743	Building Information Modeling
	ARCH 5743	Building Information Modeling
2011, 2012	ARCH 2223	CAD
2012	ARCH 4653	Alternative Energy Design
2012	ARCH 3293	Structural Design I
	ARCH 4433	Structural Design II
	ARCH 5483	Structural Design III
	ARCH 4743	Building Information Modeling
2013	ARCH 4433	Structural Design II
	ARCH 4653	Alternative Energy Design
	ARCH 4743	Building Information Modeling
	ARCH 5743	Building Information Modeling

PROFESSIONAL AFFILIATIONS

American Institute of Architects (AIA)

Texas Society of Architects (TxA)

TAC Trustee 2018 - present

Brazos Chapter of the AIA

President--2015

TAC Coordinator—2016, 2017, 2018, 2019, 2020

National Council of Architectural Registration Boards (NCARB)

Learning Spaces Collaboratory-Brain Trust Advisor

Association for Learning Environments (A4LE)

Texas Association of Community Schools (TACS)

Association of Collegiate Schools of Architecture (ACSA)

Association of Computer Aided Design In Architecture (ACADIA)

Education and research in Computer Aided Architectural Design in Europe (eCAADe)

DESIGN AWARDS

Projects worked on at Jim Singleton Architects:

2008 Best of Community Banking Awards, Silver Metal in Architectural Design – Citizens Bank Humble

AIA Brazos Design Award 2011 – Texas State Optical, Bryan, TX

San Antonio Masonry Contractors Golden Trowel Award 2015 – Yorktown ISD Gymnasium

Projects worked on at SZH Architecture:

Texas Forestry Association's 2019 Excellence in Wood Design Award – Texas Farm Credit, Brenham

ACADEMIC COMMITTEES

Master of Architecture Committees

Chair:

Fall 2018/Spring 2019 – Logan Lebeda, Project “Mission Ballpark”

Fall 2018/Spring 2019 – Seul Ki Hong, Project “Breathe”

PROFESSIONAL PROJECTS

K-12

Bryan ISD

2020

SFA Annex Remodel, 2020, in progress; Renovation of ~16,000SF, K-12, building originally built in 1972, into new middle school classrooms

Lexington ISD

- 2020, in progress:

Renovation ~7,500SF, K-12 Cafeteria built in 1966 into middle school classrooms with black box theater

New Construction ~9000SF, 360 seat, Cafeteria and Kitchen

Remodel/Finish out ~16,000SF Multi-Events Center with Auditorium and Performance Stage

Hallettsville ISD

2010

Additions/Remodel ~80,000SF High school classrooms, Science labs, cafetorium

Additions/Remodel ~10,000SF High School Ag Shop, CATE Facility, Maintenance Shop, and Ag Facility

2014

Additions/Remodel ~65,000SF Elementary School

Additions/Remodel ~12,000SF Jr High Cafeteria and Library

Trinity ISD

2013

Additions/Renovations ~12,000SF Middle School Addition

2016

Additions/Renovations ~40,000 High School and Jr. High Classrooms, Science Lab, Band Hall, and Ag Facilities

Goliad ISD

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2009
New Construction ~65,000SF Athletic facility including competition gym, running track, weight training facility, locker rooms, and hydro works therapy facility.

Shiner ISD
2007
New Construction ~82,000SF K-12 Campus including competition gymnasium, locker rooms, cafetorium, performing arts, classroom and lab facilities

2012
New Construction ~10,000SF Field House and athletic facilities

2017
New Construction ~20,000 Middle School classroom and lab facilities

Yorktown ISD
2012
New Construction ~22,000SF High School, Library, and Science Labs

2013
New Construction/Additions/Renovations ~22,000SF Gymnasium and Locker Rooms

Waelder ISD
2007
New Construction ~17,000SF Athletic Facility, competition gymnasium, locker rooms, and administrative spaces.
Additions/Renovations ~10,000SF High School classrooms and lab facilities.

Hearne ISD
2008
New Construction ~85,000SF Elementary School
New Construction ~25,000SF Jr. High School
Additions/Renovations ~40,000 Gymnasium and Career Technology facilities

Fayetteville ISD
2017
New Construction ~20,000SF Athletic Facility, Gymnasium, and Locker Rooms

Aquilla ISD
2011
New Construction/Renovations ~23,000SF Gymnasium, Athletic Facilities, Library, Band Hall, Art Room, Science Labs, and utility upgrades

Weimar ISD
2011
New Construction ~30,000SF Cafetorium and Classroom building
New Construction ~6,000SF CATE Facility

East Bernard ISD
2017
Additions/Renovations ~120,000SF High School, Jr High, and Elementary Classrooms, Labs, and Library

Moulton ISD
2019
Additions/Renovations ~20,000SF High School, Jr High, Cafeteria, Science Labs, and Ag Complex

Flatonia ISD
2019

Additions/Renovations ~90,000SF Jr. High and Elementary Classrooms and Labs, Ag facility, Athletic facilities

El Campo ISD
2020

New ~12,000SF Athletic Facility

HIGHER EDUCATION PROJECTS

One Button Studio – Texas A&M University

Military Property Warehouse Redesign – Texas A&M University Corp. of Cadets

Parsons Mounted Cavalry – Texas A&M University Corp. of Cadets

Evans Library Annex 6th Floor

Evans Library 6th Floor

BLLC – Information Model and Management

COMMERCIAL PROJECTS

Deerbrook Professional Building, Humble TX

Citizen's Bank, Humble TX

Citizen's Bank, The Woodlands, TX

Citizen's Bank, Bryan, TX

Consumer Service Credit Union, Huntsville Texas

Veritas, TFO, College Station TX

Texas State Optical, TFO, Bryan, TX

City View Southwest Development, College Station, TX

Urban Table, College Station, TX

Murphy Legal, College Station, TX

Cognizant Technology Solutions, Remodel, College Station, TX

1010 Vermont, Washington DC, New Entry Canopy and Façade updates (Wingate Hughes)

1000 Vermont, Washington DC, New Entry Canopy (Wingate Hughes)

HLP Integration TFO, 1900 K Street NW, Washington DC (Wingate Hughes)

CIVIC PROJECTS

Brazos County Expo Phase I

Brazos County Expo Phase II

Brazos County Expo Phase III

Arts Council of Brazos Valley – Hwy 6 property

Twin City Mission

Experience BCS

Caldwell Library Additions and Remodel, Caldwell, TX

Caldwell Fire Station, Caldwell, TX

RESIDENTIAL PROJECTS

Webb Residence – Bryan, TX

Miller Residence – College Station, TX

Daniels Residence – College Station, TX – independent commission

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McCavit Residence – Pampa, TX – independent commission
307 Fidelity – College Station, TX – independent commission
505 Kyle – College Station, TX – independent commission
509 Kyle – College Station, TX – independent commission
606 Montclair – College Station, TX – independent commission
607 Highland – College Station, TX – independent commission

RESIDENTIAL PROJECTS DONE AS PRODUCTION ARCHITECT

Goodwin Residence – Port Aransas, TX
Peters Residence – Port Aransas, TX
Hull Residence – Port Aransas, TX

PAINFUL HOBBIES

Brazos Valley Exiles Rugby Football Club 1998-2000
Denver Barbarians Rugby Football Club 2000-2001
Woodlands Rugby Football Club 2006-2019
Houston Old Boys Rugby Club 2015 - Present