

JUSTIN FIRUZ DOWHOWER

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RELEVANT WORK EXPERIENCE

05.2011 – Present

Corgan Associates: Architect - Dallas, TX

- Project Architect for Toyota One North American Headquarters Campus core & shell building design and coordination.
- Project Architect for Oncor Electric Company's state-of-the-art Microgrid Facility in Lancaster, TX. Responsible for project coordination, BIM management and LEED documentation.
- Assisted with the design, documentation and construction administration of a 2-million+ square-foot mixed-use, T.O.D. campus for State Farm Regional Headquarters in Richardson, TX. Responsible for exterior envelope coordination, LEED documentation, and BIM management.
- Assisted with the Tampa Airside 'F' Terminal Addition and Renovation Project. Responsible for field verification, programming, design development, and coordination of airport security guidelines.
- Assisted with the programming of Concessions and Amenities for DFW International Airport.
- Assisted with the DFW International Airport Terminal Renovation and Improvement Program. Responsible for field verification, design development, construction documentation, specification research, code review, and BIM management of Terminal 'B'. Coordinated MEP/Structural consultants for the Terminal 'B' baggage handling system.

01.2011 – 05.2011

Shipley Architects: Architectural Intern - Dallas, TX

- Assisting with the design development and construction documentation of various civic and residential projects using Revit.

08.2008 – 05.2010

UT Austin, School of Architecture IT Department: Graduate Teaching Assistant - Austin, TX

- Team leader for sustainable workflows.
- Helped students & faculty troubleshoot software / hardware problems.
- Taught weekly software training classes, including Ecotect & Revit.
- Maintained computer lab digital fabrication resources.

07. – 08.2009

Alley Flat Initiative Design-Build Studio: Construction Volunteer - Austin, TX

- Assisted with the construction of an affordable / sustainable single-family home.
- Team leader for design & construction of an ADA-compliant wood porch & ramp.
- Helped build a roof canopy and clad the house facade rain-screen.
- Performed site surveys.
- Purchased building materials.

10.2007 – 07.2008

INVISION Architecture: Architectural Intern - Des Moines, IA

- Performed design-development using Revit for the Waterloo Country Club Business Center.
- Completed construction documents, code analysis & assisted in consultant coordination for the Marengo Family Medical Clinic renovation.
- Performed programming analysis for the Marengo Hospital & St. Lukes Hospital.

05.2005 – 10.2007

JMA|STUDIO (Jeffrey Morgan Architecture Studio): Intern Architect - Des Moines, IA

- Performed construction documentation & construction administration for the Los Laureles Restaurant addition.
- Performed design development, code analysis, specifications & construction documentation for the Amalfi multi-family development.
- Assisted in a master plan design for a West Des Moines mixed-use community development.

06. – 10.2004

Harold Pike Construction Co.: Construction Worker - Ames, IA

- Performed interior demolition of academic facilities for remodeling.
- Helped assemble wood framing & roof assembly.
- Installed interior casework.
- Laid steel reinforcing & helped pour concrete floor slabs.

HIGHER EDUCATION

08.2008 – 05.2010

Master of Science in Sustainable Design (M.S.S.D.), University of Texas at Austin - Austin, TX

08.2002 – 05.2007

Bachelor of Architecture (NAAB Accredited B.Arch), Iowa State University - Ames, IA

STUDY ABROAD OPPORTUNITIES

05.2007

China (multiple locations) - Art & Architecture Tour

01. – 03.2006

Rome, Italy - Semester Study Abroad Program

PUBLICATIONS

12.2010 – 05.2011 (Contributor, Assistant)

Lévy, François. "**BIM for Small-Scale Sustainable Design**"

Wiley Publishing, December 2011.

05.2010 (Author)

Dowhower, Justin. "**Adapting Building Information Modeling (BIM) for Affordable and Sustainable Housing**"

Master's Thesis - Austin, TX: The University of Texas at Austin, May 2010.

AWARDS & SCHOLARSHIPS

10.2015 – Corgan Design Competition 2015 Finalist

03.2014 – CorganCREATE Finalist & Grant Recipient

01.2010 – Autodesk, Inc. Research Scholarship

05.2007 – Iowa State University Graduation with Academic Distinction Honor

07.2006 – 04.2007 – Raymond W. & Evelyn J. McIlvain Scholarship

09.2005, 09.2006 – Michael J. Greenlee Architecture Scholarship

09.2002 – 02.2006 – Iowa State University Award for Competitive Excellence (ACE)

PROFESSIONAL ACTIVITIES

08.2013 – Present

Texas Society of Architects (TSA) Member

08.2013 – Present

American Institute of Architects (AIA) Member

10.2010

Revit + Solar / Energy Analysis Consultant - University of Texas at Austin, School of Architecture

– *Demonstrated the use of BIM solar / energy analysis methodology.*

08.2009 – 05.2011

'Revit Workshop' Co-Instructor - University of Texas at Austin, School of Architecture

– *Co-instructed an introductory course on Revit & BIM.*

07. – 10.2007

Young Architects Committee (YAC) Contributor - AIA Iowa Chapter

– *Compiled information for the "Roadmaps" project helping architecture students entering the IDP & ARE process.*

05.2007 – 05.2008

Associate American Institute of Architects (Assoc. AIA) Member - AIA Iowa

08. – 12.2006

Architecture for Humanity Member - Iowa State University

08.2004 – 12.2006

Habitat for Humanity Member - Iowa State University

05.2002 – 05.2003

Iowa State Architecture Organization (ISAO) Member - Iowa State University

May 2002 - May 2003

American Institute of Architecture Students (AIAS) Member - AIA Iowa

Aug 2002 - May 2007; Aug 2008 - May 2010

Bahá'í Student Association Member - University of Texas at Austin; Iowa State University

COMMUNITY SERVICE

2011 – Present

'Hearts & Hammers' Volunteer – Corgan Associates, Dallas, TX

– *Participates in the yearly construction rehabilitation of a low-income home in Dallas.*

2011 – Present

'Adopt-A-School' Volunteer – Corgan Associates, Dallas, TX

– *Participates in the yearly adopt-a-school program mentoring 3rd grade students at Charles Rice Elementary School.*

2011 – Present

'CANstruction' Volunteer – Corgan Associates, Dallas, TX

– *Participates in the yearly construction design/build and fundraising of can donations to the North Texas Food Bank.*

08.2010

'buildingcommunityWORKSHOP' Volunteer - Dallas, TX

– *Participated in the on-site construction of the "Congo Street Green Initiative."*

05.2008

'Rebuilding Together' Volunteer - Des Moines, IA

– *Participated in the rehabilitation of a low-income home.*

ACCREDITATIONS & CERTIFICATIONS

08.2013 – Present

Registered Architect: Texas #23866

05.2008 – Present

LEED AP

SKILL HIGHLIGHTS

Revit, AutoCAD, SketchUp, Ecotect, IES <VE>, Sefaira, eQUEST, Photoshop, Illustrator, InDesign, MS Office, hand drawing, physical model building, laser-cutting, 3D printing, site surveying

REFERENCES

References available upon request.