

JUSTIN FIRUZ DOWHOWER

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WORK EXPERIENCE

01.2022 - Present

Perkins&Will: Senior Project Architect, Senior Associate - Dallas, TX

- Senior Project Architect for the Northwestern State University Kyser Hall Replacement academic building.
- Senior Project Architect for the Tarrant County College Student Experience/Academic Center and Existing Building Renovation.

01.2022 – Present

University of Texas at Arlington: Adjunct Assistant Professor - Arlington, TX

- Instructor for Environmental Control Systems II.
- Guest lecturer for Environmental Control Systems I.

05.2011 – 01.2022

Corgan Associates: Project Architect, Senior Associate - Dallas, TX

- Project Architect for the Iron Mountain Data Centers project managing construction documentation and coordinating BREEAM certification.
- Project Architect for the American Airlines Credit Union project in Dallas-Fort Worth, TX. Responsible for project coordination, design development, construction documentation, BIM management, and LEED documentation.
- Project Architect for Charles Schwab Denver Campus Garage/Retail addition. Responsible for project coordination, design development, construction documentation, and BIM management.
- 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.

07.2009 – 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.

06.2004 – 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

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

08.2022

Perkins&Will Innovation Incubator Grant Recipient

08.2021

Corgan Design Competition 2015 Winner (3rd Place)

10.2015

Corgan Design Competition 2015 Finalist

03.2014

CorganCREATE Finalist & Grant Recipient

01.2010

Autodesk, Inc. Research Scholarship

PROFESSIONAL ACTIVITIES

08.2021 – Present

NCARB ARE 5.0 Item Development Subcommittee

12.2021

University of Texas at Arlington (UTA) Guest Lecturer - "Designing for Daylighting"

04.2021 – 01.2022

Corgan 'Belong' diversity, equity and inclusion Community Partnership Co-Lead

01.2021 – 12.2021

Dallas AIA Emerging Leadership Program (ELP) Chair

01.2020 – 12.2020
Dallas AIA Emerging Leadership Program (ELP) Vice-Chair
 01.2019 – 12.2019
Dallas AIA Emerging Leadership Program (ELP) Participant
 05.2014 – Present
Dallas AIA Committee On The Environment (COTE) Member
 08.2013 – Present
Texas Society of Architects (TSA) Member
 08.2013 – Present
American Institute of Architects (AIA) Member
 04.2012 – 04.2013
Toastmasters 'Talkitecture' Chapter President

COMMUNITY SERVICE

2017 – Present
Duck Creek Neighborhood Clean Up Volunteer – Richardson, TX
Participated in seasonal trash cleanup of the neighborhood Duck Creek.
 2018 – 2019
'Hunger Busters' Volunteer – Corgan Associates, Dallas, TX
Participated in a yearly officer volunteer activity to help under-funded public school students have healthy nutritious meals.
 2011 – 2017
'Hearts & Hammers' Volunteer – Corgan Associates, Dallas, TX
– Participated in the yearly construction rehabilitation of a low-income home in Dallas.
 2011 – 2018
'Adopt-A-School' Volunteer – Corgan Associates, Dallas, TX
– Participated in the yearly adopt-a-school program mentoring 3rd grade students at Charles Rice Elementary School.
 2011 – 2017
'CANstruction' Volunteer – Corgan Associates, Dallas, TX
– Participated 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 & REGISTRATIONS

03.2021 – Present
Fitwel Ambassador
 08.2018 – Present
Registered Interior Designer: Texas #12174
 02.2018 – Present
WELL Accredited Professional
 08.2013 – Present
Registered Architect: Texas #23866
 05.2008 – Present
LEED AP BD+C
LEED Accredited Professional

SKILL HIGHLIGHTS

- Revit
- Dynamo for Revit
- Autodesk Insight Energy & Lighting Analysis
- SketchUp
- AutoCAD
- Autocase
- Tally LCA
- TallyCAT
- OpenStudio for Energy Plus & Radiance
- IES <VE>
- eQUEST
- Enscape
- Adobe Suite (Photoshop, Illustrator, InDesign)
- MS Office
- hand drawing & sketching
- physical model building
- laser-cutting
- 3D printing
- welding (Arc & MIG)
- wood working & carpentry
- site surveying