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## Brandon M. Dietrich

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### OBJECTIVE:

- Continuing the growth and success of the Construction Industry by driving new process and technologies that further add value to Communities, Owners, Clients & Project Teams

### EDUCATION:

- Bachelor of Science, **Construction Management, Architectural Engineering Technology** September 2009-May 2015  
University of Cincinnati, Cincinnati, Ohio
- Major GPA-3.2/4.0

### WORK EXPERIENCE:

#### Sr. BIM Engineer

- VDART Inc. , Confidential Client, Austin, TX December 2022- Current
  - Lead coordinator for multiple shops
  - Vendor model conversion for integrating into Federated models
  - Cintoo Laserscanning exports for various projects and scopes of work
  - Responsible for coordinating BIM/IFF Reviews
  - Communication with subcontractors for signing off on Fabrication level model coordination
  - Managing of Subcontractors 3D models
  - As-built coordination of Federated models with captured scan data
  - Quality control of coordinated design models with installation of trade partner scope of work
  - BIM360 folder organization and model cleanup for effective coordination efforts
  - File conversions and file alignment for Federated models

#### Owner/BIM Coordinator

- BIMsolutionsUSA, Cincinnati, Ohio September 2022-December 2022
  - Responsible for MEPFP coordination and clash detection
  - Laser Scanning Point Clouds to 3D models
  - Navisworks and Revit model coordination
  - In charge of Kick-off meetings and BIM Coordination meetings
  - Model management and set up for collaborative model sharing

#### Quality Controls Specialist

- BSI Engineering, Cincinnati, Ohio May 2018-September 2022
  - Laser Scanning & model alignment
  - Hands on FARO scanning equipment and setup
  - State plane coordinates and background coordination
  - ACC project setup and folder organization (BIM360)
  - Revit Shared Coordinates and model alignment
  - Managing of Revit families and title blocks
  - Responsible for Bluebeam Session squad check setup and organization
  - Transmittal generation and package review
  - Civil Survey and Scan Alignment
  - Created Key Plans for drawing issuances
  - Budgeted Quality proposal hours for client RFP's
  - Navisworks master model creation and organization
  - CADWorx to Revit .ifc workflow

- Lead Navisworks training and progression meetings

### **Virtual Construction Engineer II**

- Messer Construction Co, Cincinnati, Ohio May 2015-May 2018
  - Responsible for MEPFP coordination and clash detection, 700+ million
  - Managing of Subcontractors 3D models
  - Provided BIM execution planning
  - 4D scheduling to Navisworks Time liner
  - Revit design intent modeling and coordination
  - Site Logistics and Safety Modeling
  - Laser Scanning Point Clouds to 3D models
  - Provision of Subcontractor Detail Drawings
  - 3D Printed Site Logistics for Business Development
  - Design/Constructability Reviews
  - 3D Virtual Mockups

### **University of Cincinnati BIM Standards Student Leader, BIM Design**

- Messer Construction Co, Cincinnati, Ohio January 2014-May 2015
  - Responsible for writing new BIM standards for the University of Cincinnati
  - Estimated a cost savings in Facility Management of 55%
  - Worked alongside of Owner and Designer to implement new strategies towards future cost savings
  - Coordination and Communication of the Design, Bid, Build, and Commissions phasing
  - Documented and shadowed Facility Management Teams to compare current processes to future cost savings

### **Project Engineer, Estimator, Line & Grade, Carpenter, Laborer**

- Baker Concrete Construction Company, Monroe, Ohio September 2011-December 2013
  - Revised budgeted quantities, estimated projected schedule from current job to date reports
  - Logged and kept track of concrete tickets, RFI's, and scheduled values
  - Produced morning projection reports, daily reports
  - Kept track of Financial Obligations and paid invoices
  - Physically laid out center lines, columns, beams, embeds, control points, MEP utilities
  - Coordinated with sub-contractors to produce desired product
  - Built, formed, and poured footers, walls, slabs, formwork, beams
  - Estimated remaining quantities for projected completion dates

### **Construction Manager, Carpenter**

- Cincinnati Habitat for Humanity March 2011-July 2011
  - Managed Residential Construction Projects
    - Responsible for looking over and carrying out design specifications
    - Interacted/coordinated with workers and volunteers to discuss necessary work to be completed

### **SKILLS:**

- AutoCAD, Revit, Navisworks, Recap, BIM360, Autodesk Construction Cloud, BIM Track, Cintoo, Lumion, Adobe Photoshop, Google Sketch Up, Bluebeam, Google Earth, Simplify 3D, 3D Printing, Procore, Fusion 360
- Prototype development for product design, manufacturing of products for sale, small business creation, website design

### **HONORS AND AFFILIATIONS:**

- ACI pervious concrete competition team
- Member of ACI & CSA student group
- ACI student group Presidential nominee
- Cincinnati Habitat for Humanity Volunteer