

## TODD MION

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## work experience

**ADVANTECH FACILITY DESIGN, INC.**
**4/06 – Current Tucson, AZ**
**Architectural Design Manager / Project Manager:**

Position involved working within and coordinating a multi-discipline office including, mechanical, process piping, and electrical / IT, while maintaining outside disciplines such as fire protection, and structural. Responsible for managing all Architectural aspect of a project from initial client contact through construction administration services within an A & E office, including code analysis, and city permitting processes. Acted as main Architectural client contact and developed project designs through efficient and in depth design sessions with senior client decision-makers. Created clear and concise designs that are both functional and meaningful to clients with the use of 3D modeling and graphic presentations. Acted as in house senior design manager for all architecture or interior related projects. Created specifications, resource estimates, timetables, coordinated and created project packages with other manager disciplines and managed a drafting staff for the development of construction documents for industrial, manufacturing, commercial office space, and lab research type clients.

- Brought several projects into office through networking & continued client relationships.
- Developed company Cad standards up to meet National Cad Standard Requirements.
- Created Architectural Design process to best fit the software and known resources within office.
- Diversified Office ability to create revenue by developing and selling a graphics division that would generate "Project Boards" for contractors and vendors for office displays once projects were completed from either our own office or others, and 3D models and animations for developer clients on potential projects.

○ **Global Solar Energy – Solar Thin Film Manufacturing Facility Full Renovation** Tucson, AZ  
*Design Manager / Architectural Lead* – LEED Equivalent 142,000 SF \$25 million renovation to convert an existing 1976 computer tape manufacturing plant into a modern thin film solar panel manufacturing facility with 28,000 SF of office space. Acted as main Architectural client contact for project and worked with key top executive client personnel to achieve finished design and to develop new corporate image. Managed scheduling, permitting, code review and analysis for entire project. Project also included the layout for a 750 kW solar field that produced power for the facility.

○ **Ventana Medical Systems (Roche) – Building #4 Cafeteria & #5 Lab Research** Oro Valley, AZ  
*Design Assistant to Andy Anderson Consulting / Job Captain* – Two ground up buildings on an existing company site campus. Contract included Site Master Plan with one 28,000 SF cafeteria and one 55,000 SF research facility including wet & dry labs. Assisted in the design process for creating details and materials solutions to achieve esthetic and conceptual goals of lead designer and to satisfy client and town of Oro Valley strict esthetic regulations & guidelines. Responsible for package creation and coordination, and city submittal process for permitting.

○ **Raytheon Missile Systems - Building 805 Full Building Renovation** Tucson, AZ  
*Design Manager / Architectural Lead* - 149,000 SF \$12.6 million renovation to convert an existing 530 person office building into a 731 person occupied office space for engineering research and development, including medium and advanced security access. Complex phasing in order to maintain existing functions while construction was in progress, responsible for architectural & interior design, code analysis, city permitting, and maintaining constant client modifications to satisfy inspection process during construction.

work experience cont.

- **Raytheon Missile Systems – Controlled Access Area (CAA) Construction Manual** Tucson, AZ  
*Controlled Access Area (CAA) Construction Manual Creator* – After extensive work within Raytheon Missile Systems and as a consultant outside, I was contracted to create a comprehensive Construction and Specifications Manual that would be used by all of Facilities and Security as a guide for Tucson Missile Systems Tucson. Based on government required standards for highly classified “Controlled Access Areas” (CAA), this was achieved by several months of coordination with key Raytheon Personnel in Security and within Facilities itself.

— **RAYTHEON MISSILE SYSTEMS** (Contract Hire) 3/04 – 4/06 Tucson, AZ

**Facilities Planner / Project Manager:**

Worked with all levels of management in all programs to develop, communicate, implement and monitor facilities plans that support program objectives for a site consisting of close to 2 million SF. Identify facilities strategies, policies and plans that support operations. Responsible for Architectural programming, space planning, design and for maintenance of the workflow process to keep up with program modification requests prior to and during construction process through project completion. Develop effective working relationships with management and support groups to ensure a timely flow of information and work product. Managed the development and implementation of all aspects of long and short range planning, including: formulating scenarios, scheduling, gathering relevant data, analysis of requirements, budgeting, project sequencing, communication, project management and modeling scenarios.

- Responsible for over 500,000 s.f of renovations including controlled access areas, VP executive suite, offices, lobbies, anechoic chambers, tool moves, nitrogen tank & pad installations during my two years of contracted employment.
- Spearheaded Six Sigma Project to bring Raytheon Facilities in Tucson up to current National Cad Standards.
- Developed a cost comparison of projects performed on contract outside of office with projects done within Raytheon Facilities to help improve the cost control for all construction projects.
- Raytheon Facilities team member who developed standardized specifications for typical construction for Tucson and surrounding sites.

- **Building 808 Full Building Renovation** Tucson, AZ  
*Facilities Planner / Designer / Project Manager* -175,000 SF \$9.2 million renovation to convert a manufacturing facility into a 750 person occupied office space for engineering research and development.

- **Building 842 Anechoic Chamber** Tucson, AZ  
*Facilities Planner / Designer / Project Manager* - \$300,000 renovation of a 6,000 SF anechoic chamber. Modifications to allow for new missile testing equipment, re-surfacing of chamber, and re-designing technical data labs that support chamber testing.

— **ARC-TEC, INC.** (Contract Hire) 5/03 – 3/04 Phoenix, AZ

**Project Captain / Architectural Designer:**

Freelance contractor hired for project coordination, detail development, materials research and package assembly for hotel addition & renovation, as well as tenant improvements for advanced technology industry. Scope included knowledge of codes, permitting & generating specifications.

- **Hotel Valley Ho – Hotel Renovation & Addition** Scottsdale, AZ  
*Project Captain / Materials Research Specialist* - Contracted by Allen + Philp Architects - Project Captain responsible for package coordination and detail creator for existing 1950's hotel renovation in Old Town Scottsdale.

- **Northrop Grumman – Tenant Improvement** El Segundo, CA  
*Project Captain* - Project captain for renovation of existing flight training facility and labs into research facility, including office space, lecture hall, tooling facilities and tech labs.

work experience cont.

## JACOBS ENGINEERING

2/00 – 5/03 Phoenix, AZ

### **Project Captain / Project Manager / Architectural Designer:**

Position involved working within and coordinating a multi-discipline office including civil, structural, mechanical, fire protection, electrical, and IT, , highly creative, interactive, and coordinated design team focused on industrial and advanced technology research and development projects including laboratory, manufacturing, university, military and critical environment facilities. Provided our clients with feasibility studies, long-range planning studies, and full design including programming, schematic design, design development, construction documents, and services during construction, and supported all architectural designs with 3-D models & presentations. Projects I worked on required extensive travel and intense collaboration using physical coordination and server exchange systems to maintain cad files from multiple offices. I have participated in internal and client participatory design charrettes for fast and efficient design solutions. Responsible for leading project-specific design efforts that result in creative solutions that are functional, visually exciting, human centered, state-of-the-art, constructible, and budget compliant.

- **Missouri AVCRAD – Helicopter Maintenance Facility** Springfield, MO  
*Co-Designer / 3D Modeling & Graphics Coordinator* - 250,000 sf new construction 100% Design development package. Responsible for client interface to develop innovative and efficient facility floor plan, and create a new image for military maintenance facilities.
- **Confidential Semiconductor Client - Fab 11X 300 mm Manufacturing Facility** Rio Rancho, NM  
*Project Captain* - Specific responsibilities included AMHS and tool layout work group coordination. Provided in coordination assistance and production of drawing packages for 400,000 sf - \$4 Billion of clean room & manufacturing facility, worked as project package coordinator between Jacobs Engineering Phoenix office and Jacobs Greenville, SC project staff.
- **Confidential Client – Clean Room Corridor , Diffusion & Parts Clean- D1B/Fab 2** Hillsboro, OR  
*Project Captain* - Project included Class 100, 4600 sf clean link; Class 1, 580 sf diffusion room; and class 1000, 4000 sf. parts cleanroom.
- **On Semi Z2 Renovation – Office Renovation** Phoenix, AZ  
*Project Manager / Architectural Designer* - 29,000 sf Tenant Improvement. Architectural Lead responsible for project team coordination, Client interface, and construction documents
- **Cypress Semiconductor – Clean Room Renovation** San Jose, CA  
*Project Captain* - Building 1 CMP/Change Room Tenant Improvement Project. Project included Class 1000, 2,600 sf clean room renovations. Responsibilities included package coordination and production.
- **City of Phoenix Public Transit Department - Park & Ride Facility** Phoenix, AZ  
*Project Manager / Architectural Designer* - Arizona City of Phoenix Bus Rapid Transit Park and Ride at Metro-Center location – Responsible for client contact, design, specifications, cost estimating, construction documents and construction administration.

## ARCHITEKTON

5/98 – 2/00 Tempe, AZ

### **Project Captain / Architectural Designer for several award winning projects:**

Supported the project designer in the development of the architectural design, including reviewing the design requirements, the exploration of design options for components of the building and the development of presentation materials for internal and client presentation. Designed significant components of the overall building and coordinated and integrated engineering disciplines requirements while adhering to applicable codes and jurisdictional requirements. AutoCAD drafted and 3D modeled designs following office standards and made alterations to design drawings as required . Performed fundamental design activities such as laying out program components and calculation of program and building areas. Researched building precedents and assembled schematic design presentation packages. Responsible for new and current materials research, and kept current with design trends, code changes, and developments to sustain and improve technical and design skills.

work experience continued:

○ **Yucca Branch Library – Complete Renovation** Phoenix, AZ  
*Job Captain/ Design Lead/ Materials Specialist* - 12,000 sf - \$500,000 renovation – Responsible for developing a design concept for an existing historical library in north Phoenix, investigating new materials for building applications, and assembling the construction documents under a Project Manager. The design process required City of Phoenix interaction, local Artist interaction for installations and community assemblies for design approval.

○ **West Side Multigenerational Facility – Renovation & Addition** Tempe, AZ  
*Job Captain / Design Assistant* - 25,000 sf - \$5 million new construction  
New construction for a community center located in Tempe. The program involved taking an existing gymnasium, and use this as the central core for new the construction including work out areas, offices, lockers, classroom facilities and outdoor activity spaces for outdoor sports. A design team was assembled to create a concept and develop it to a final product. Responsible for detail development, materials research and design development.

**Winner of:**

- **2003 Arizona Masonry Guild Silver Trowel Award**

○ **Scottsdale Community College Fitness Center - Ground Up Fitness Facility** Scottsdale, AZ  
*Job Captain / Design Assistant* - 18,000 sf - \$4 million new construction.  
New construction for a fitness center located on Scottsdale Community College Campus.. The project consisted of a program that included a gymnasium, work out areas, offices, lockers, and outdoor activity spaces for outdoor sports. A design team was assembled to create a concept and develop it to a final product. Responsible for detail development, materials research and design development.

**Winner of:**

- **2001 Metal Building Magazine Design Award**
- **2001 Valley Forward Award of Merit**
- **2001 Metal Architecture Design Award Winner**
- **2002 The Chicago Athenaeum American Architecture Award**
- **2002 Western Mountain Region AIA Honor Award**
- **2002 Arizona AIA Honor Award**
- **2002 City of Tempe Beautification Award**

– **FULLER ASSOCIATES, INC.** 5/95 – 10/97 Boston, MA

**Designer Drafter & Architectural Intern:**

Responsible for assisting project architect for construction documents, field verifications, and attended client meeting. Created design concepts and began to manage, under project architect supervision, small projects that came through the office. 3D modeling as well as hand drawings and renderings for project presentations.

○ **Framingham Ford Dealership – Full Building Renovation** Framingham, MA  
*Job Captain/ Design Team Member* - 75,000 sf - \$2 million auto dealership renovation. Responsible for creating conceptual design for project, then working with a senior designer for project development & supervision. Created working and presentation drawings for client review and cost estimates.

○ **230 Congress Street – Several Client Tenant Improvement** Boston, MA  
*Project Manager / Lead Designer* – Three Floors at approx.15,000 sf each. Lucent Technologies, AT & T, and STV Engineering- \$400,000 build out per floor. Responsible for client interface, office designs, 3D modeling for presentations, and worked with team to develop construction documents.

○ **Courtyard Boston / Tremont Hotel - Hotel Lobby Renovation Historical Pres.** Boston, MA  
*Job Captain* - 12,000 sf - \$600,000 historical lobby renovation requiring research on woodwork and masonry applications for original construction, and re-incorporate those materials and processes to new floor plan.- responsible for doing research and creating details and working drawing under senior architect.

education:

**Wentworth Institute of Technology**

*Professional - Bachelor of Architecture*

May 1996 **Honors** GPA 3.45/4.0 - 192 Total Earned Hours

Boston, MA

**New Hampshire Technical Institute**

*Associate Degree in Architectural Engineering*

May 1990 76 Earned Hours

Concord, NH

computer skills:

Mac/PC

Revit - Architecture 2010

AutoCAD - 14 to 2010

Sketch-Up - 7.2 & Podium 2.0

Photoshop/ Illustrator

Microstation - V8

Form – Z - 4.0/ Bonsai 3D

Excel/Word/PowerPoint

PageMaker

CorelDraw 8/9

hobbies & affiliations:

**NOVOMODO DESIGN STUDIO** – Personal business for small renovations and design proposals within the Tucson area

**Guest Critique** – Mentor Program - Architectural Department Arizona State University & University of Arizona

**Organic Design Studio** at Frank Lloyd Wright's Taliesin West - Tempe, AZ

**AIA Associate Member**

**USGB** Council Member Southern Arizona District

**United States Cycling Federation** Licensed Member with twenty one years of competitive cycling experience in mountain, road and cyclocross – Category II - Masters Cyclist, Arizona State Masters Champion 2004, 2005, 2006. RIDE CLEAN cycling team member working in supporting and promoting clean sport.