
ROBERT J WILLIAMS

STRUCTURAL DRAFTER, WEB DESIGNER

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Profile

Professional Autocad Drafter/Designer with a streamlined and efficient approach. Adept at adjusting work pace to meet evolving client needs and changing deadlines. Highly focused and detail-oriented whether working independently or as a part of a team with a strong record of professional success. Exceptional multi-tasker able to juggle a number of projects simultaneously.

Experience

The Rua Network

2007 to Present

Sole Proprietor

Created as a place to offer multitudes of skills and knowledge of Computer-Aided Drafting, Website Development, Computer Repair, and Woodworking skills honed and crafted over the years. It is a collection of experiments, self-teaching, and hard work.

Computer repairs consisting of virus removal, hard drive replacement, partition recovery, and operating system re-installation with file backups.

Website design for individuals and small business from static landing pages to dynamic Wordpress based sites and blogs.

Drafting support converting hard copies of architectural plans to digital for archival purposes and use in future projects.

L & L Structural Engineering Services, Inc.

2012 to 2017

Senior Structural Design Drafter / Technical Support

Prepared structural framing design drawings and required connection detailing, utilizing both timber and steel framing for small to large residential/commercial projects, ranging from new construction to renovation and rehabilitation.

Prepared fabrication drawings and modifications in accordance with industry and company standards.

Responded to shop drawing RFIs from detailers, fabricators and erectors.

Coordinated with other engineering disciplines, and communicated issues up the chain of command.

Incorporated structural design changes in various areas of projects using marked up drawings inspected by the final checkers/project engineers.

Quickly developed the skills necessary to take on the increased responsibility of Senior Structural Designer in the minimum required period of time.

Designed the structural component of several model homes for a local builder.

Provided structural design for dozens of residential renovation projects.

Leasure Associates, Inc.

2010 to 2011

CAD Designer / Technical Support

CADD modeling, drafting and support for the heavy-construction industry and architectural engineering businesses with special emphasis on tunnels and bridges. Development of concrete lift drawings with MEP coordination drawings utilizing AutoCAD MEP 2010, in 2D/3D formats.

Newtown Creek 41G – \$500 million waste water expansion – concrete lift drawings and supporting documents.

Implemented file sharing system to facilitate ease of construction documentation transfers between clients and sub-contractors.

Northern Maine Community College ~ Drafting Lab

2009 to 2009

Student Intern / Tutor

Assist instructor with Residential Computer-Aided Design class through lectures and hands-on demonstrations.

Assist students with questions they had regarding how to use AutoCAD Architecture and the specific commands that should be used for their desired outcome.

Taught lessons on the proper usage of new commands during morning lecture to be utilized during afternoon lab period.

Helped students problem solve plotting issues encountered both at the software and hardware levels.

Brewer Cove Haven Marina

2006-2007

Student Intern

Designed and built a custom Armoire from hand drafted plans. Assisted carpenters with daily tasks around shop and on different customer boats as needed. Built small projects as test pieces for skill level determination.

Barrington Middle School

2005-2006

Student Intern

Assisting instructor with sixth and seventh grade students working on projects in Carpentry Shop.

Education

Northern Maine Community College - Presque Isle, Maine

2009

A.A.S. Computer-Aided Drafting & Design

30-hour OSHA card holder – completed 30-hour Occupational Safety & Health Training Course in General Industry Safety and Health

Student Senate & Phi Theta Kappa Websites - redesign and update of the club websites

“Beginnings: An Online Literary Magazine” - design and create a website where students could submit their original writings for publication online.

Skills

Structural Design

Comprehend and detail complex structural connections and corresponding systems.

Creative Thinking

Imagining solutions that may otherwise be overlooked or discounted.

Project Direction

Proven ability to manage a wide variety of design and development projects in team and independent situations.

Technical

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|---------------------|---------------------|--------------------|
| • Autodesk AutoCAD | • HTML | • Virtual Machines |
| • Structural Design | • CSS | • Windows 7 |
| • Drafting | • Apache Web Server | • Linux |
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Volunteer

[Manes and Tails](#)

2014-2015

Webmaster: Web Content Manager & Web Developer

Setup Wordpress based website along with email on a domain that was previously underutilized. Transformed previously used website from a collection of static, unorganized pages into a dynamic site. This facelift allowed for updated content, a news section, and auction/fundraising section that are all easy and more convenient to be updated by the members of the non-profit.

[Presque Isle Snowmobile Club](#) ~ Buck Engineering

2008-2009

Architectural Drafter

Responsible for the floor plan layout along with drafting of all required plans, elevations, and sections to obtain permits and fire marshal approval for new clubhouse construction after previous building was lost to a fire. Worked closely under supervision of structural engineer to fulfill clients vision.

[Sinawik House](#) ~ NMCC & PI Kiwanis Club

2007-2008

Architectural Drafter of Sinawik House Plans #32 & #33

Responsible for the drafting of floor plans, sections, and elevations of a modular house that was later built by carpentry students in the Building Construction Technology program of Northern Maine Community College. The lower-cost houses were made available through a partnership between the Kiwanis Club and Northern Maine Community College.