

Allan Johnston

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Background:

I am a graduate of the Engineering Design & Drafting Technologist program at Lethbridge College (2015~2018) working toward *T.T.* designation. I am seeking an entry-level position in architecture, civil engineering, & design work.

My next professional goal is to work toward C. Tech professional designation. I continue to practise skills learned in EDDT on various projects and am eager to gain more skills in a professional environment.

Professional Interests:

- Residential, commercial, & civil architectural design
- Environmental systems, energy conservation
- Civil engineering, planning, mapping
- Technology-related solutions

Skills Learned:

- **Architecture** – software: Revit, AutoCAD, AutoCAD Civil 3D, SketchUp
 - Residential, Commercial, & Civil design
 - Preliminary & Working drawings
 - Site, Floor, Reflected Ceiling plans
 - Detail, Section, & Elevation drawings
 - Foundation, Structure, & Load design
 - Alberta Building Code, MasterFormat
 - Accessibility / Barrier-free
 - Kitchen, Stairway, Washroom design
 - Legends, Schedules, & Finishes
 - Environmental, Energy Loss, Conservation, & Green design
 - ASHRAE, HOT2000, RETScreen
 - Renderings
 - Revit Families
- **Civil Design & Drafting** – software: AutoCAD, Civil 3D, ArcGIS ArcMap
 - Real Property Report
 - Urban Planning
 - Municipal Design
 - Universal Design
 - Plot Plans
 - Storm & Sanitary Sewer Design
 - Drainage, Contours, Reliefs
 - Earthworks
 - Survey applications
 - Remote sensing
 - Topographical mapping
 - Instrumentation, Data Sheets
 - Cost / Benefit Analysis
- **Mechanical** – software: Civil 3D
 - Designed small machines & components
 - Pictorial & auxiliary views
 - Dimensioning, tolerancing
 - Drawings, assemblies, models
- **Management** – software: MS Word, Project, PowerPoint, Visio, Excel, Money
 - Contracts, clauses, legal, tort
 - Tender, bidding, financial, budget
 - Health & safety
 - Teamwork, communication
 - Scheduling, time management, projects
 - Statistics, analysis
- **Research**
 - Bamboo as a viable alternative to steel reinforcement in concrete (2017~18)
 - Ground source heat
 - Building material comparison (2017)
 - In-floor heating (2016)
- **Vessel & Piping Design** – software: AutoCAD, CADWorx Equipment & Plant
 - Vessel calculations & design
 - Piping sizing & placement
 - P&ID, PFD, & Spools creation & reading
- **Computer Systems**
 - Windows Server NT, 2000, 2003, 2008, IIS-6 & 7.5, Active Directory, OWA, SQL, Linux clients & servers, HWP, Windows XP, 2000, 7, 8, 10
 - Microsoft Office XP~2016 (Word, Excel, PowerPoint, Project, Visio, Outlook, Publisher)

Education:

- Engineering Design & Drafting Technologies – diploma received
○ Lethbridge College, Lethbridge, AB Sept. 2015
~ April 2018
- Computer Information Technologies – attended one year
○ Lethbridge College, Lethbridge, AB Sept. 2002
~ April 2003
- Lethbridge Colligate Institute 1986
○ Grade 12 Diploma

Employment:

- Self-employed – Lethbridge, AB
○ English tutor June 2017
○ tutored Lethbridge College students & immigrants in speaking & writing ~ March 2018
- Flexibility Learning Systems Ltd. – Lethbridge, AB – 403-320-2057
○ LINK Teaching Assistant, English For Work Instructor October 2011
○ helped newcomers to Canada with English, culture / society, employment ~ June 2017
- Self-employed – Seoul & Ilsan, South Korea
○ English tutor July 1998
○ taught children K ~ 10 English ESL, English, & full curriculum ~ May 2011
○ taught business, conversation, technical, & written English to adults

Accomplishments:

- ASET Capstone Project of the Year 2018 winning team for Lethbridge College
- Emergency First Aid, Level A (2011 Protocol) – St. John Ambulance, Feb. 2012

Interests, & Hobbies:

- Architecture – created various residential designs in Sketch-Up, Revit, pencil
- Cycling – toured Asia, UK, N. America on bicycle
- Culture – enjoy experiencing other cultures, food, languages
- Creating – passion for designing, creating, building, modifying everyday items
- Computer – build servers, create various websites for self & others

Volunteer:

- CANstruction – Lethbridge, AB
○ helped design & build display at Centre Village Mall Jan. ~ Mar. 2018
- Highway Cleanup – Lethbridge, AB
○ cleaned stretch of highway w/ church group 2015 ~ 2016
- group tutor – Ilsan, South Korea
○ provided weekly & monthly English tutoring to low-income families 2004 ~ 2012

Portfolio:

For a sample of my portfolio, please see <http://allansplace.net> (always a work in progress).

References:

Available upon request.