

# ALLAN JOHNSTON

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## BACKGROUND

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- Graduate of Engineering Design & Drafting Technology Lethbridge College (2018) with ASET *T.T.* (Technologist in Training) designation
- Seeking a position in mechanical design, drafting, & engineering
- Continue to practise skills learned and am eager to gain more skills in a professional environment
- Formerly English as a Second Language Instructor – South Korea, Canada

## PROFESSIONAL INTERESTS

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- Mechanical Engineering & Design
- Integration of Mechanical Engineering into Civil & Architectural Design & Engineering
- Logistic & technology related solutions

## SKILLS

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- **Mechanical Design & Drafting** – software: AutoCAD, Civil 3D, Inventor
  - Design Process
  - 2D & 3D Drawings, Assemblies, Models, Presentations
  - Geometric Dimensioning & Tolerancing
  - Pictorial, Section, Auxiliary views
  - Gears, shafts, keys, couplings, bearings
  - Bill of Materials & related documentation
  - Hand & automated calculations
  - Bolts, threads, fasteners, welds
  - Offset, Revolved, Removed, Aligned Sections
- **Architectural Design & Drafting** – software: Revit (2015~17), AutoCAD, Civil 3D, SketchUp
  - Commercial & Residential Design
  - Site, Floor, Reflected Ceiling plans
  - Detail, Section, Elevation drawings
  - Preliminary & Working Drawings
  - Foundation, Structure, Load design
  - Kitchen, Stairway, Washroom design
  - Legends, Schedules, Finishes
  - Alberta Building Code / MasterFormat
  - Access / Barrier-free design
  - Conservation, Energy Loss, Environmental, Green design
  - ASHRAE, HOT2000, RETScreen
  - Renderings
  - Revit Families
- **Research**
  - Universal design (2018)
  - Bamboo as a viable alternative to steel reinforcement in concrete (2017~18)
  - Ground source heat (2017~18)
  - Building material comparison (2017)
  - In-floor heating (2016)
- **Vessel & Piping Design** – software: AutoCAD, Civil 3D, CADWorx, Excel
  - Vessel calculations & design
  - Piping sizing & placement
  - P&ID, PFD, & Spool
  - Instrumentation
  - Piping, Fittings, & Welds
  - Refrigeration & Amine systems design
- **Additional Skills**
  - Additional skills available for viewing at [allansplace.net](http://allansplace.net).
    - Civil Design, Engineering, & Drafting
    - Management
    - Computer Systems
    - English as a Second Language Instructor

## EDUCATION

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- Engineering Design & Drafting Technology Sept. 2015
  - Lethbridge College – Lethbridge, AB ~ April 2018
- Computer Information Technologies Sept. 2002
  - Lethbridge College – Lethbridge, AB ~ April 2003
- Lethbridge Colligate Institute – diploma received 1996
  - Grade 12 diploma

## EMPLOYMENT

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- Self-employed English tutor – Lethbridge, AB June 2012
  - Tutored Lethbridge College students & immigrants in speaking & writing ~ Sept. 2018
- Flexibility Learning Systems Ltd. – Lethbridge, AB Oct. 2011
  - LINK Assistant; English For Work Assistant ~ June 2017
  - Helped newcomers to Canada with English, culture, employment
- Self-employed English tutor – Seoul & Ilsan, South Korea July 1998
  - Taught ESL, mainstream English, & full curriculum to K~9 students ~ May 2011
  - Taught business & conversation spoken & written English to adults
  - Created & maintained server & websites to furnish online ESL studies
  - Administered four satellite (franchise) classrooms

## ACCOMPLISHMENTS

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- ASET Capstone Project of the Year 2018 winning team for Lethbridge College
- Emergency First Aid Level A (2001 Protocol) – St. John Ambulance, Feb. 2012

## INTERESTS & HOBBIES

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- Architecture – designed, renovated, & built various residential & RV projects in SketchUp, Revit
- Cycling – toured Asia, UK, & Canada by bicycle
- Travel – enjoy cultures, languages, foods of foreign places
- Computer – built servers, created websites for self & others

## VOLUNTEER

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- CANstruction – Lethbridge, AB Jan.
  - helped design & build Lethbridge College display at Centre Village Mall ~ Mar. 2018
- Highway Cleanup – Lethbridge, AB 2015
  - cleaned section of highway with church members ~ 2016
- Group tutor – Seoul & Ilsan, South Korea 2004
  - provided weekly & monthly English tutoring to low-income families ~ 2012

## PORTFOLIO

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Please see portfolio samples at <http://allansplace.net/> (a work in progress, updated frequently)

## REFERENCES & TRANSCRIPTS

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Available upon request.

