

ALLAN JOHNSTON

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BACKGROUND

- Graduate of Engineering Design & Drafting Technology Lethbridge College (2018), T.T. designation
- Formerly English as a Second Language Instructor – Canada, South Korea

PROFESSIONAL INTERESTS

- Civil / municipal engineering, planning, & design
- Residential, commercial, & civil architectural and structural design & drafting

RELEVANT SKILLS / EDUCATION

- **Architectural Design & Drafting** – software: Revit, AutoCAD, Civil 3D, SketchUp, Inventor
 - Commercial & Residential Design
 - Floor plans, RCP, Detail, Section, Elevation drawings
 - Kitchen, Washroom, Stairway design
 - Legends, Schedules, Finishes, BOM
 - Barrier-free design
 - Energy Loss & Conservation
 - ASHRAE, HOT2000, RETScreen
 - 3D Renderings
 - Revit Families
- **Civil Design & Drafting** – software: AutoCAD, Civil 3D, ArcMap
 - Urban planning
 - Roadway design
 - RPR
 - Universal Design
 - Plot Plans
 - Drainage, Storm, & Sanitary design
 - Survey, GIS applications
 - Remote Sensing
 - Topo Mapping
 - Cost / Benefit Analyses
- **IT / Computer / Network / Web** – self-taught
 - Windows Server NT~2012; IIS-6, 7.5; Active Directory; OWA; SQL; PHP; Exchange; WebDAV; FPSE; SharePoint; Linux servers & clients; HWP; Windows XP~10
 - Microsoft Office XP~2017 (Word, Excel, PowerPoint, Project, Visio, Outlook, Publisher)
 - Website design & administration (FrontPage, Moodle, Joomla!, WordPress, WebMatrix)
- **Mechanical Design & Drafting** – software: AutoCAD, Civil 3D, Inventor
 - 2D & 3D Drawings, Assemblies, Models, Presentations
 - Geometric Dimensioning & Tolerancing
 - Pictorial, Section, Auxiliary views
 - BOM & related documentation
 - Bolts, threads, fasteners, welds, gears, shafts, keys, couplings, bearings
- **Research** – completed during EDDT program
 - 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)
- **Structural Engineering & Drafting** – software: AutoCAD, Inventor FEA, Excel
 - Foundation, Load design
 - Truss, I-Joist, EWP
 - Site plans
 - Alberta Building Code, MasterFormat
- **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

EDUCATION

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

EMPLOYMENT

- Inland Screw Piling – Coaldale, AB Nov. 2018
◦ Drafting Technologist ~ Jan. 2019
- Self-employed English tutor – Lethbridge, AB June 2012
◦ Tutored Lethbridge College students & immigrants in speaking & writing ~ current
- 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

- ASET 2018 Capstone Project of the Year nominee, Lethbridge College;
ASET 2019 Capstone Project of the Year recipient, ASET Awards Advisory Team
- ASET Technologist in Training (2018-07-04)
- Emergency First Aid Level A (2001 Protocol) – St. John Ambulance, Feb. 2012

INTERESTS & HOBBIES

- Architectural – designed, renovated, & built various residential & RV projects in Revit, SketchUp, Inventor, & AutoCAD
- Cycling – toured Asia, UK, & Canada by bicycle
- Travel – enjoy cultures, languages, & foods of foreign places
- Computer – built servers, created websites for self (business & personal) & others
- Photography – including use of antique & modern photographic equipment

VOLUNTEER

- 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

Please see portfolio samples at allansplace.net (a work in progress)

REFERENCES & TRANSCRIPTS

Available upon request.

