

ALLAN JOHNSTON

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BACKGROUND

- Graduate of Engineering Design & Drafting Technology Lethbridge College (2018) with ASET *T.T.* (Technologist in Training) designation
- Seeking a position in Civil 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

- Civil Engineering, Planning, & Design
- Commercial & Residential Architectural Design, Engineering, & Drafting
- Environmental systems & energy conservation
- Logistic & technology related solutions

SKILLS

- **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
- **Civil Design & Drafting** – software: AutoCAD, Civil 3D, ArcGIS ArcMap
 - Urban / Municipal planning & design
 - Real Property Reports
 - Universal Design
 - Plot Plans
 - Storm & Sanitary Sewer design
 - Drainage, Contours, Reliefs
 - Earthworks
 - Survey applications
 - Remote Sensing
 - Topographical Mapping
 - Cost / Benefit Analyses
- **Computer Systems**
 - 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)
- **Instructor & Teaching Assistant**
 - Taught ESL, mainstream English, & full curriculum to K~9 students overseas
 - Taught business & conversation spoken & written English to adults
 - Editor & proofreader for English academies' curricula, instructors, & students
 - Created & maintained server & websites to furnish online ESL studies
 - Administered four satellite (franchise) classrooms
 - Assisted instructors as TA, curriculum developer, PA, tutor, substitute instructor
 - Created paper-based lessons, worksheets, presentations
 - Integrated tech into classrooms (file system; PowerPoint; eBeam; Google Maps, Street View; etc.)
 - Assisted students with resume, job search, personal skills, communication
- **Geographic / Geomatic Information Systems**
 - Cartography
 - Spatial & Non-spatial Data Analysis
 - Vectors & Scalars
 - Database Operations

- Data creation, manipulation, & Analysis
- Site Suitability Analysis
- Proximity Analysis
- Digital & Hard Copy Maps & Drawings
- **Management** – software: MS Word, Project, PowerPoint, Visio, Excel, Money
 - Contracts, clauses, legal, tort
 - Tender, bid, financial, budget
 - Health, safety
 - Teamwork, communication
 - Scheduling, time management, project management
 - Statistics, analyses
- **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
- **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)
- **Survey** – software: MS Excel, Nikon DTM, AutoCAD, Civil 3D
 - Dominion Land Survey
 - Coordinate systems
 - Bearing & Azimuth
 - Slope staking
 - Field notes & sketches
 - Horizontal & Vertical Curves
 - Total Station & data collection
 - Fill / Cut calculations
 - Adherence to safety standards
- **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 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

- 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
 - Provided administration to four satellite single-room classrooms

ACCOMPLISHMENTS

- 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

- Civil / Municipal – strong interest in city infrastructures, transportation flow, green health, safety, & community
- 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

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, updated frequently)

REFERENCES & TRANSCRIPTS

Available upon request.

