**McKenzie L. Aubuchon, EIT**

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**EDUCATION**

**Texas Tech University,** Lubbock, Texas May, 2019

Bachelor of Science; Major in Civil Engineering **GPA:** 3.36

**Study Abroad: Engineering and Irish Studies-** Londonderry, Northern Ireland June-August, 2017

*Student*

* Cooperated effectively in a group in order to build a trebuchet that was required to launch an orange >30m
* Gained valuable hands-on experience with building materials and machinery, as well as proper safety in a workshop
* Learned to adapt to new challenges and settings in order to safely and effectively travel in various foreign countries

**EXPERIENCE**

**Stantec,** Dallas, TexasJune 3rd 2019 - Present

*Civil Designer, EIT*

* Reviewed plans for a single-family development and subsequently revised the grading plan, drainage area map and hydraulic calculations for the entire site.
* Coordinated with clients and cities regarding project details and plan approval
* Utilized AutoCAD Civil3D to modify and create engineering plans for projects in cities such as Dallas, Plano and Frisco
* Partnered with Stantec’s Buildings Group in Austin to provide preliminary site design analysis for the modification or rebuilding of multiple Austin ISD Middle Schools and High Schools.

**Halff Associates,** Fort Worth, Texas May-August 2018

*Summer Intern, Water Resources*

* Utilized Rational Method, Modified Rational Method and ArcGIS to prepare pre- and post-project hydrology and supporting figures for a downstream assessment and iSWM report submittal
* Worked in ArcGIS to edit and revise floodplains and prepare exhibits for the Brazos River Flood Protection Planning Study
* Designed a conceptual plan of a bus transfer station in Oklahoma City using MicroStation.
* Prepared conceptual alternatives for FEMA floodplain reclamation using HEC-RAS.
* Gained valuable skills in teamwork, communication, and time management on projects

**Texas Department of Transportation,** Lubbock, TexasMay-July, 2016

*Summer Intern*

* Inspected construction site in order to maintain a safe work environment
* Observed quality of work to make sure it met the standards established in the plans
* Compiled coordinate data using various software

**INVOLVEMENT**  **American Society of Civil Engineers (Professional)** December - Present

Member of the Texas Section Sponsorship Committee

**US EPA Campus RainWorks Challenge** Fall 2017

**Chi Epsilon**- Civil Engineering Honor Society Fall 2017

**American Society of Civil Engineers (University)** Spring 2016

Elected Fundraising Chair for 2018-2019 year

Elected Secretary for 2017-2018 year

Attended Workshop for Students Chapter Leaders in Minneapolis, Minnesota- February 2017

**Living Waters International-** Leon, Nicaragua July -August, 2016

*Volunteer*

**Alpha Delta Pi Sorority** Spring 2016

**Society of Women Engineers** Fall 2015

**AWARDS**

Presidential Scholarship- Texas Tech University Fall 2015-Present

Jeschke International Experience Scholarship Summer 2017

1st Place ASCE Student Undergraduate Research Poster Contest April 2018

**ABILITIES**

Capable in HEC-HMS, HEC-RAS, ArcGIS, AutoCAD, MicroStation, all Microsoft office programs, SCUBA certified, etc.