

Paden Allen

EDUCATION

Coding Bootcamp

University of Texas at Austin
Full Stack Web Development
Online Classes, Part-time
May 2021

B.S. – Industrial Engineering

Texas A&M University
May 2020
GPA: 3.4

SKILLS

Coding Languages:

JavaScript
VBA
Visual Basic

Software:

Agile Environment
Algorithms
Bootstrap
CSS
Debugging
Git
GitHub
HTML
JQuery
Kanban Methods
Power BI
Web APIs
Wireframing

Engineering:

Continuous Improvement
Lean Methodologies
Six-Sigma
Statistical Analysis

Communication:

Public Speaking
Teamwork
Technical Writing

Interpersonal:

Adaptability
Conflict Resolution
Emotional Intelligence
Sense of Humor

SUMMARY

Two internships at TC Energy developing dynamic and creative programs to solve real-world problems. I developed webpages, designed user-interfaces, and implemented unique coding logic in four different languages. My projects were geared towards increasing user satisfaction and saving the company valuable time and money. I am eager to enter into a software development role to continue my learning and contribute towards revolutionizing the way we see and use technology.

RELEVANT EXPERIENCE

Measurement Engineering Intern

May – Aug 2018; May – Aug 2019

TC Energy, Houston, TX

Job Responsibilities:

- Develop webpages for meter stations
- Automate the most time-consuming and complex tasks required of field technicians
- Reduce manual data entry
- Held title of Presenter on Intern Council

Major Accomplishments:

- Developed webpages to display current measurements of analyzers for 90% of meter stations using CSS, HTML, and JavaScript
- Reduced by 99%, time needed to create remote station data sheets using VBA
- Automated generation of flash configuration profiles using VBA
- Pioneered pipeline liquid accumulation tracking tool to monitor past, present, and predict future trends for 50,000 miles of pipelines in Power Bi
- Standardized reporting site issues, repairs, and upgrades in order to accurately appraise cost of projects using VBA
- Delivered presentation to Board of Directors on power of 4D Inspection Tool, led to company adopting a trial run in several U.S. and Canadian projects
- Presented to Board of Directors on impact of Hurricane Harvey upon Houston Children's Museum, resulting in thousands of dollars in donations to museum

Texas A&M University Senior Capstone Project

Jan – May 2020

NOV Grant Prideco, Navasota, TX

Job Responsibilities:

- Develop new drill pipe test report layout for metallurgical testing lab
- Eliminate need for manual manipulation of test reports
- Enhance documentation speed, accuracy, and efficiency
- Allow test reports to be pulled throughout manufacturing process

Major Accomplishments:

- Created new test report layout using User-Centered Design approach in Publisher
- Worked with Oracle technical team to automate data transfer, eliminating need for manual manipulation of test reports
- Mitigated risk of late orders due to wrong/missing documentation, significantly increasing monthly revenue
- Uncoupled coding logic that prevented users from accessing test reports, thus allowing test reports to be pulled at all times
- Conducted user testing on new report layout which resulted in:
 - 63% less errors
 - 80% increase in user satisfaction
 - 33% reduction in task time
- Successfully fulfilled all customer requirements in spite of Covid-19 delays