





# Justin Clowney

Software Engineer

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 justinclowney.com

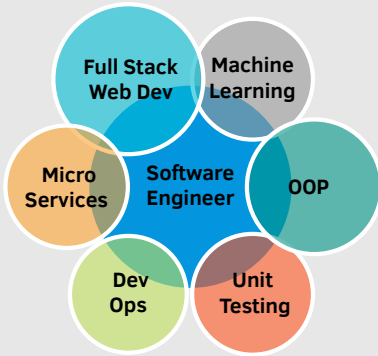
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 jclowney

## Skills

### Overview



### Languages

LOC 

HTML5 • JS • CSS

Go • SQL • MATLAB

C++ • MongoDB • Python

### Tools/Libraries

#### Front-End

React (Redux), Angular (NgRx), AJAX, SCSS/SASS, Bootstrap, Responsive Design

#### Back-End

Go (Gin), NodeJS (Express), PostgreSQL, Sequelize, Mongoose, REST, gRPC, Apache2

#### Other

Git/Github, Docker, LaTeX

## Education

Sep 2012 -  
May 2016

**BSc. Biomedical Engineering** GPA: (3.3/4.0)

Texas A&M University

## Experience

Feb 2019 -  
Present

### Software Engineer

National Oilwell Varco

- Collaborates in a multinational team to launch and support applications that are used by drilling customers around the globe
- In 3 months developed a dockerized full stack application in an unfamiliar environment which was demonstrated in front of thousands of potential clients at the largest corporate event of the year
- Contributed to re-factoring legacy code and redefining best practices on both the front and back end
- **Tools:** Angular, Go, Docker, Typescript

Oct 2017 -  
Feb 2019

### Web Developer

Decode Digital

- Builds and maintains websites (with and without CMS) for clients.
- Adds new features and designs to existing websites and applications.
- Develops server-side services to transfer data to and from interactive applications.
- Sets up servers and domains in order to deploy websites.
- Creates and maintains databases that store various types of data for use in applications.
- **Tools:** Javascript, Node.js, React, MySQL, PostgreSQL, PHP, Apache2

Sep 2015 -  
May 2016

### Smart Intra-Venous System

Texas A&M University

- Worked in collaboration with Quest Medical Inc. to find a niche in the IV market
- Programmed negative feedback system with a mass flow sensor using LabVIEW and an Arduino board
- **Tools:** LabVIEW, Arduino

## Research

2015

### BSc. Undergraduate Research Assistant

Texas A&M University

**Thesis:** Efficacy of Noninvasive Glucose Sensors After Clinical Animal Trials

- Implemented theoretical algorithm in MATLAB for extracting two time-resolved components of a single luminescence signal acquired from sensors
- Created a LabVIEW program for automatically measuring oxygen concentrations in solution using an electrode instrument
- Developed program for characterizing response of glucose sensors to varying continuous glucose concentrations
- **Tools:** MATLAB, LabVIEW, COMSOL

## Awards

2018

**Crystal Award, Bronze ADDY**

Decode Holiday Card

2018

**Crystal Award**

Team Industrial Website