Justin Clowney

Full Stack Developer

(281) 755 3231

justinclowney.com

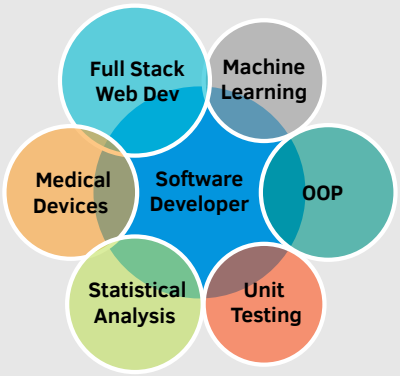
justinclowney@gmail.com

/in/jclowney

jclowney

Skills

Overview



Languages

LOC →

HTML5 • JS • CSS

PHP • SQL • MATLAB

C++ • MongoDB

Tools/Libraries

Front-End
React (Redux), JQuery, AJAX, SCSS/SASS, Bootstrap, Responsive Design

Back-End
NodeJS (Express), PostgreSQL, Sequelize, Mongoose, RESTful APIs, Apache2, Third Party APIs (Google Maps, Soundcloud, NASA)

Other
Git/Github, LaTeX

Education

May 2017-Aug 2017 — **The Iron Yard** - Full Stack Web Dev Coding Bootcamp — Houston, Texas

Sep 2012-May 2016 — **BSc. Biomedical Engineering** GPA: (3.3/4.0) — Texas A&M University

Research

2015 — **BSc. Undergraduate Research Assistant** — Texas A&M University

Thesis: Efficacy of Noninvasive Glucose Sensors After Clinical Animal Trials

- Programmed algorithm in MATLAB for extracting two time-resolved components of a single luminescence signal acquired from sensors
- Created a LabVIEW program and GUI for automatically measuring oxygen concentrations in solution using an electrode instrument
- Constructed testing system and developed program for characterizing response of glucose sensors to varying continuous glucose concentrations
- **Tools**: MATLAB, LabVIEW, COMSOL, Solidworks

Experience

Oct 2017 - Present — **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.
- **Tools**: Javascript, Node.js, React, MySQL, PostgreSQL, PHP, Apache2

Aug 2017 — **Polybus - Hackathon Project** — AngelHack

- Made a full-stack application that connects medical missions in third world countries to volunteers and physicians.
- **Tools**: JS, PostgreSQL, Loopback

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
- Integrated a mass flow sensor, stepper motor, Arduino board, and a custom 3D printed case
- Programmed negative feedback system using LabVIEW and an Arduino board
- Utilized Agile methodology to mediate the design process. Maintained a Design History File to illustrate version history control.
- **Tools**: LabVIEW, Arduino, Solidworks

Awards

2018 — **Crystal Award, Bronze ADDY** — Decode Holiday Card

2018 — **Crystal Award** — Team Industrial Website