Connor Blake

cblake506@gmail.com
512.739.1747

Objective

I am seeking a full stack position in the web development industry that leverages my undergraduate engineering coursework as well as my strong technical, organizational, and leadership skills developed as a patent examiner.

Technical Skills

- Javascript
- Express
- React
- MySQL/MongoDB
- Matlab
- Java/C++/C
- Lean Manufacturing
- Microsoft Word, Excel, PowerPoint

Education

Texas A&M University, 2018
BS Biomedical Engineering, Cum Laude

Academic Honor Societies:
Tau Beta Pi, and Alpha Eta Mu Beta

The Coding Boot Camp at UT Austin, Feb 2022 to Aug 2022

Full Stack Web Development

Professional Experience

United States Patent and Trademark Office, Alexandria, VA **JAN 2019 to FEB 2022**
Patent Examiner - Diagnostic & Therapeutic Medical Devices

- Examine complex medical device patent applications for matters of novelty, obviousness, and statutory patentability.
- Study and review in detail patent claims for prior art using patent and academic databases to identify inventive features.
- Decide patentability of application and prepare technical and legal documents communicating decisions to the applicant.
- Represent the United States in negotiations with applicant's attorneys to discuss issues of patentability and law.

Texas A&M University, College Station, TX **MAY 2016 to JULY 2018**
Undergraduate Researcher - Dr. Gerard Coté's Optical Biosensing Lab

- Developed a point of care malaria diagnostic test as part of a research team.
- Designed, fabricated, and tested custom microfluidic blister packs (PDMS-PEG) for delivery of reagents in "lab-on-a-chip" sensors using SolidWorks.
- Designed custom microfluidic mixers and ran simulations using SolidWorks; fabricated mixers using photolithography and tested against required specifications.

Quest Medical, Inc., Allen, TX **MAY 2017 to AUG 2017**
Process Engineer Intern

- Led programming, set-up, and implementation of custom computer vision system installed in the production line to automate the identification and count of components during final product assembly.
- Researched, identified, and corrected a persistent production line data recording issue on an RF welder that resulted in the return to current good manufacturing practices.
- Wrote and executed manufacturing and engineering qualification documents including production and engineering protocols.

Texas A&M University, College Station, TX **AUG 2015 to MAY 2016**
Undergraduate Research Assistant - Dr. Mary Meagher's Neuroscience Lab

- Designed and wrote EEG biofeedback applications using Matlab to test pain modulation.
- Conducted human subject research to quantify nonverbal pain response through electroencephalography (EEG) signals.
- Demonstrated attention to detail by analyzing statistical patterns in EEG data.