

## OBJECTIVE

To use and improve my skills and broaden my experience while making stakeholders' dreams a reality.

## PROFESSIONAL EXPERIENCE

### Mouser Electronics

(June 2016 – present)

#### Web Software Developer II

(November 2019 – present)

- Contribute significant number of unit tests and mentor junior developers in creating unit tests.
- Maintain expert knowledge on a variety of applications by answering questions and updating documentation.
- Led developer team effort to display product-specific documents served by third-party API on website.
- Refactored code base, communicated key architectural details, and tested extensively during search engine transition.
- Implemented MVC endpoint and business logic library to facilitate communication with microservice and display resulting data on website.
- Studied accessibility standards and implemented them on various web pages.

#### Jr. Web Developer

(January 2017 – November 2019)

- Designed and implemented a script to crawl the website's customer facing content, scrape and structure its text, and store it in Elasticsearch.
- Implemented the website's content search functionality and maintained it.
- Created a web application to organize and manage clients of the company's search APIs.

#### Intern

(June 2016 – August 2016)

- Implemented bug fixes and small feature updates.

### Southern Adventist University

(August 2015 – December 2016)

#### Programmer, Center for Innovation and Research in Computing

- Wrote code for key components of projects requested by on-campus departments and small businesses.

## TECHNICAL SKILLS

### Languages

- Python
- R
- SQL
- C#
- HTML/JavaScript

### Technologies/Frameworks

- ASP.NET Core/Framework
- jQuery
- React / Angular
- Solr / Elasticsearch
- Microsoft Azure

### Subject Areas

- Text Classification
- Accessibility / A11y
- Web Development
- Machine Learning
- Search Engines

## EDUCATION

### University of Notre Dame – South Bend, IN

(2018 – 2020)

*M.S. Data Science*, May 2020

- Studied data visualization, deep learning, machine learning algorithms, linear regression modeling, logistic regression modeling, R, Python, scikit-learn, pandas, numpy, probability, and statistics.
- Worked with Katz Media Group to use linear modeling to analyze their advertising spend and related search engine activity in hopes of determining the advertising locations and mediums that would yield the most online search engagement.

### Southern Adventist University – Collegedale, TN

(2013 – 2016)

*B.S. Computer Science, summa cum laude*, December 2016

- Studied artificial intelligence, software engineering, database administration, data structures, and algorithms.

## PROJECTS AND PUBLICATIONS

### The Bible as Data

- Wrote a script to collect the text of the Bible from a public API
- Performed EDA and sentiment analysis using Python libraries
- Created data visualizations utilizing Tableau

### “Artificially Intelligent Computer Assisted Language Learning System with AI Student Component”, 2016

- Proposed an AI system that would aid students in learning new languages.