Andrew Clark

Software Engineer in Kansas City, MO

A highly motivated individual with analytical skills and B.S. in Computer Engineering. Seeking position as a software or data engineer where my technical skills and experience in software application development, using modern tools, will be utilized by the company.

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WORK EXPERIENCE

IT Application Developer — Liberty Utilities, Joplin, MO

2017 – 2019

- Developed new enhancements and maintained existing functionality in Java for the company's internal Customer Information System application
- Created numerous simple to complex queries involving self joins and correlating sub-queries in order to satisfy data request using SQL (Oracle)
- Executed design and code reviews of software developed by other team member
- Deployed feature branches into test environments for client-side testers

Computer Engineering Intern — Niobrara Research & Development Corporation, Joplin, MO

2010- 2014

- Worked with back-end engineers, including sitting in during design reviews, to see projects through, from conception to completion

PROJECT EXPERIENCE - (view online portfolio at craftyclark.com)

REST API GPS Data Application — Delivers data via API endpoints

- Project uses Python and Flask framework to deliver the requested data via REST API endpoints.
- 1.1 million lines of GPS data (CAN-Bus messages), monitoring agricultural tractors, were used in this project to in order to calculate results.

San Francisco Fire Department Data Application — Visualize response times

- Python project calculates how much time it takes for each of each San Francisco Fire Department District to arrive on scene after receiving a dispatch call.
- Over 5 million lines of CSV data was used in order to create a visualization per District of the total instances where the response times are 90th percentile or greater.

RSS Feed Application — Saves and parses rss data for users

- NodeJS app allows users to create account, log in, store desired rss-feeds, and view parsed data associated with the saved rss feeds.
- Deployed using heroku at http://rss-app-clark.herokuapp.com/ and uses mongoDB to store user names, hashed passwords, and saves rss feeds associated with each account.

EDUCATION

Pittsburg State University, B.S. Electronics Engineering Technology- 2012

University of Kansas, B.S. Computer Engineering — 2016

SKILLS

PROGRAMMING LANGUAGES

- Java
- Python
- JavaScript
- HTML/CSS
- Node
- Bootstrap
- jQuery
- MongoDB

FRAMEWORKS

- Flask
- Express

DATABASES

- SQL (Oracle)
- MongoDB

TOOLS

- Visual Studio Code
- Eclipse
- Git / Bitbucket
- SQL Workbench
- Eclipse