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Morgan Hobson

<https://linktr.ee/mohobson>



SKILLS

Languages/Frameworks: Python, JavaScript, HTML, CSS, Jinja, Flask

Tools/Other: Google Cloud Platform (GCP), Git, Github, Docker, Selenium, Linux, OSX, Microsoft Office

PROJECTS

Stock Market Analysis

<https://github.com/mohobson/marketdata>

- Automated Python program that uses APIs to fetch data from the stock market. Algorithms are applied with various libraries to identify potential opportunities in the stock market, then create an Excel spreadsheet with charts that are emailed to my inbox using SendGrid's email API.
- Used Mac OS X terminal through Visual Studio Code with Git for version control.
- Hosted project in the cloud using Render's cron scheduling service to receive daily reports.

Social Blog Site

<https://github.com/mohobson/quackr>

- Deployed a dynamic social networking application to Google Cloud Platform with Flask and Python.
- Built application with the Jinja web template engine, SQLite database engine, and HTML/CSS.
- Intended for users to create an account, log in, and write posts to a shared timeline on the webpage.

EMPLOYMENT

Civil Engineer

Kimley-Horn

May 2019 – Present

- Use CAD software to design 50+ roadway projects and exceed client expectations.
- Manage schedule and \$200k budget for project tasks.
- Serve as Continuous Quality Improvement (CQI) Champ for the Raleigh Infrastructure group. Implement quality initiatives and host educational events relevant to engineers.
- Developed a batch processing script that automates CAD file cleanup for electronic submittals to clients, saving analysts 60 minutes of time during submittals.
- Initiated cloud resources for Kimley-Horn's NC offices to share production notes and important information about our largest clients to create more consistent submittals between offices.
- Operated Bentley's OpenRoads CAD application to initiate the transition to a new design software for roadway engineering consultants. Documented notes and coordinated with developers about bug fixes to optimize the application.

EDUCATION

Raleigh, NC

NC State University

August 2015 – Dec 2019

Bachelor of Science in Civil Engineering | Minor in Business Administration