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Morgan Hobson

GitHub: mohobson
Portfolio: mohobson.com

Education

Raleigh, NC	**NC State University**	Graduation: Dec. 2019

Bachelor of Science in Civil Engineering | Minor in Business Administration

Projects

Stock Market Data
https://github.com/mohobson/marketdata
- Wrote a Python program that uses an API to fetch data from the stock market. The program uses algorithms to identify potential buy opportunities in the stock market, then creates an Excel spreadsheet and .png charts that are emailed to my inbox using SendGrid's email API.
- Used Mac OS X command line and Visual Studio plug-ins to commit changes with Git and push to a remote repository on GitHub.
- This program automates an estimated 2 hours of stock market research on each run.

Social Blog Site
https://github.com/mohobson/quackr
- Deployed a dynamic website to Google Cloud Platform that is written in Python with Flask web development framework. Users can make an account and post to a shared feed.
- Built the application from Flask documentation. It uses the Jinja template engine to render pages, CSS to style HTML, and an SQLite database to store information.

Employment

Roadway Design Analyst	**Kimley-Horn**	May 2019 – Present

- Using CAD software to design roadway projects and exceed client expectations.
- Managing budget and schedule for project tasks.
- Serving as Continuous Quality Improvement (CQI) Champ for the Raleigh Infrastructure group. Implementing quality initiatives and hosting learning events relevant to engineers.
- Developed a batch processing tool for CAD software that automates ~60 minutes for analysts throughout the company during the construction plans submittal process.
- Initiated 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.